Form 3160-3
(August, 2007)

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-01191

6. If Indian, Allottee or Tribe Name: N/A

7. If Unit or CA Agreement, Name and No.: 891008900A

1a. Type of Work: [X] DRILL [ ] REENTER

1b. Type of Well: [ ] [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone

8. Lease Name and Well No.: NBU 1022-04GT

2. Name of Operator: Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.: 43-047-40191

3a. Address: P.O. Box 173779, Denver, CO 80217-3779

3b. Phone No. *(include area code)*: 720.929.6226

10. Field and Pool, or Exploratory: Natural Buttes Field

4. Location of well *(Report location clearly and In accordance with any State requirements.*)*

At surface: 1897 FNL 1861 FEL SW NE 6330847 4426492Y Lat. 39.98009 39.980014 Long. -109.44146 -109.441429 NAD 27

At proposed prod. zone: N/A

11. Sec.,T.,R.,M.,or Blk.and Survey or Area: Sec 4 T 10S R 22E

14. Distance in miles and direction from the nearest town or post office*: 25.5 miles northeast of Ouray, Utah

12. Cou State: Uintah Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any)	16. No. of acres in lease	17. Spacing Unit dedicated to this well
1861	1041.78	40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	**19. Proposed Depth**	**20. BLM/ BIA Bond No. on file**
60'	8850'	WYB000291
21. Elevations (Show whether DF. RT, GR, etc.)	**22. Aproximate date work will start***	**Esti mat**
5070' GR	Upon Approval	10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lan SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by existing bond on file(se item 20 above).
5. Operator certification.
6. Such other site specific information and/ or plans as may be required by authorized officer.

25. Signature: Kevin McIntyre — Name *(Printed/ Typed)*: Kevin McIntyre — Date: 6/27/2008

Title: Regulatory Analyst

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

Approved By *(Signature)*: — Name *(Printed/ Typed)*: BRADLEY G. HILL — Date: 07-16-08

Title: — Office: ENVIRONMENTAL MANAGER

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

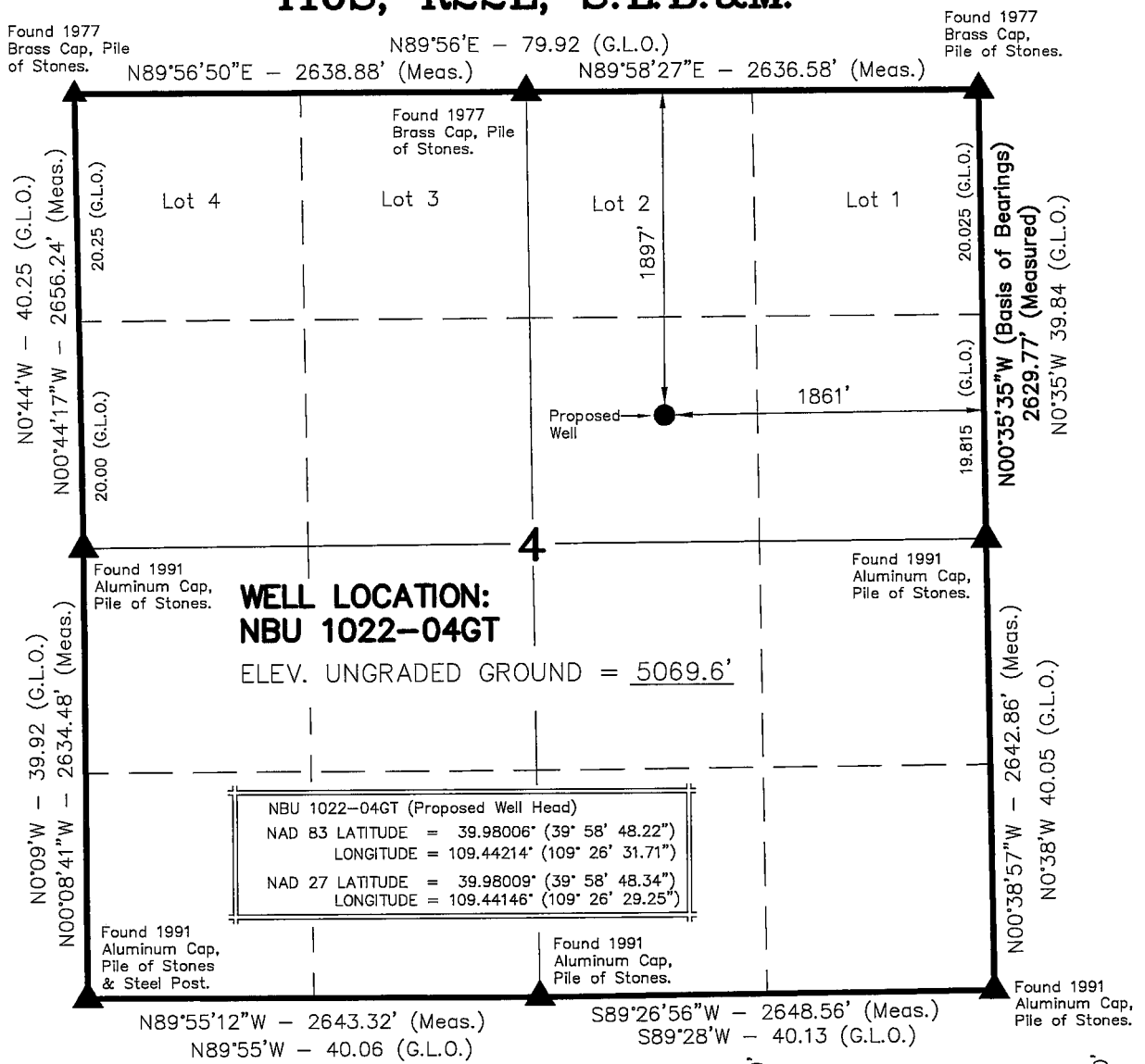
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

** (Instructions on page 2)*

Federal Approval of this Action is Necessary

T10S, R22E, S.L.B.&M.



NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.
4. Basis of elevation is Tri–Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri–Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

N

1000' 500' 0' 1000'

SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION, AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 362251
STATE OF UTAH

No. 362251 KOLBY R. KAY — REGISTERED LAND SURVEYOR — STATE OF UTAH

Kerr–McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 – Denver, Colorado 80202

NBU 1022-04GT
WELL PLAT
1897' FNL, 1861' FEL
SW ¼ NE ¼ OF SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
38 WEST 100 NORTH – VERNAL, UTAH 84078

DATE SURVEYED: 06–03–08	SURVEYED BY: B.J.S.	SHEET 2 OF 7
DATE DRAWN: 06–06–08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised:	

NBU 1022-04GT
SWNE Sec. 4, T10S,R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

Formation	Depth
Uinta	0- Surface
Green River	1215'
Bird's Nest	1499'
Mahogany	1977'
Wasatch	4349'
Mesaverde	6785'
MVU2	7666'
MVL1	8288'
TD	8850'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

Substance	Formation	Depth
	Green River	1215'
	Bird's Nest	1499'
	Mahogany	1977'
Gas	Wasatch	4349'
Gas	Mesaverde	6785'
Gas	MVU2	7666'
Gas	MVL1	8288'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8850' TD, approximately equals 5301 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3420 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

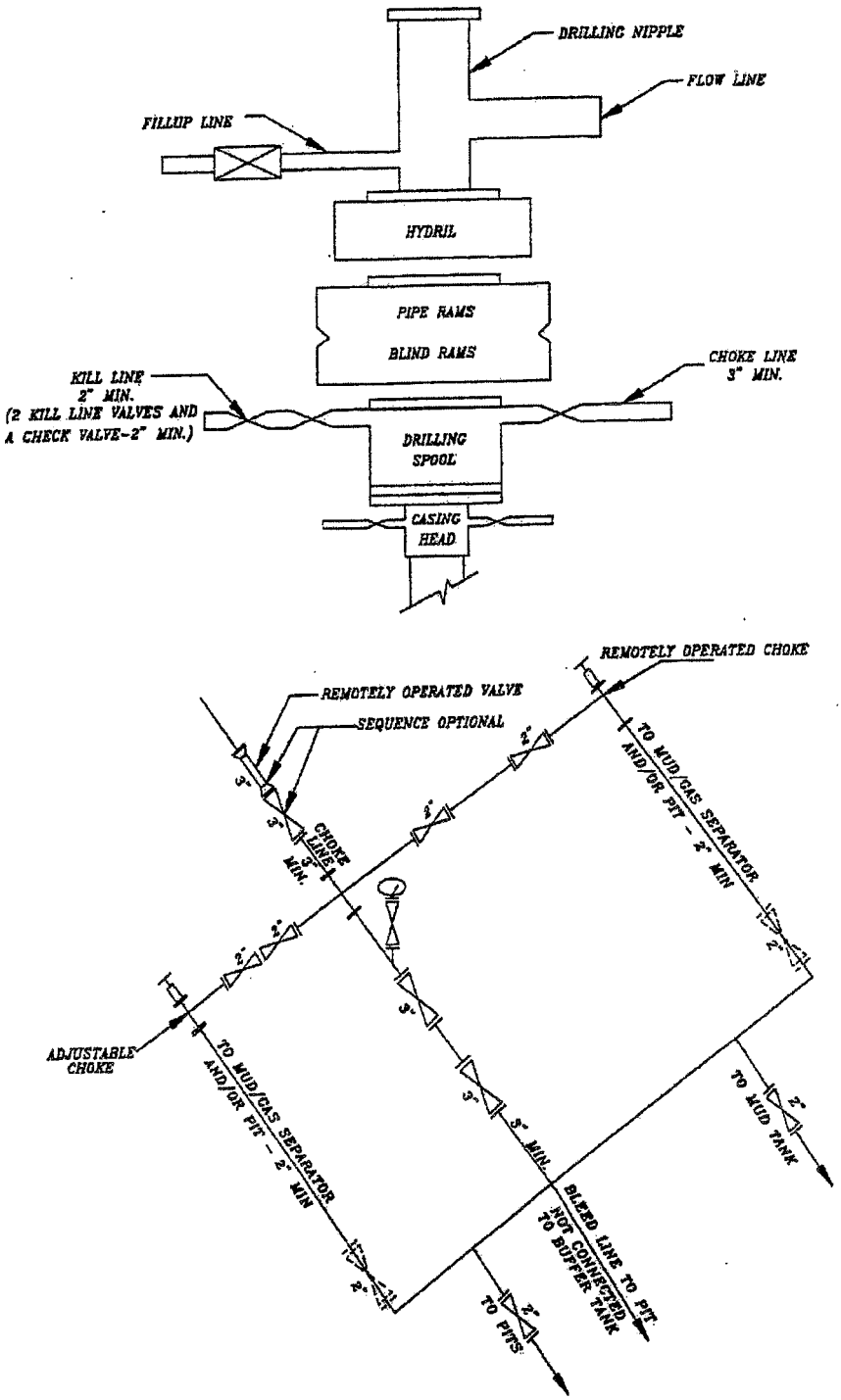
9. **Variances:**

Please see Natural Buttes Unit SOP. Please see Kerr McGee's sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing.

10. **Other Information:**

Please see Natural Buttes Unit SOP.

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 1022-04GT
SWNE Sec. 4 ,T10S,R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

No new access road is planned, as this is a twin location. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

No new pipeline, as we will be utilizing the existing NBU #67 pipeline. No TOPO D attached.

Please see the Natural Buttes Unit SOP.

Variances to Best Management Practices (BMPs) Requested:

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the

original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E *(Request is in lieu of filing Form 3160-5, after initial production).*

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. Plans for Reclamation of the Surface:

Please see the Natural Buttes SOP.

upon reclamation of the pit the following seed mixture will be used. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for ***drilled*** seed are:

Crested Wheatgrass 12 lbs.

Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. Surface/Mineral Ownership:

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

12. Stipulations

Wildlife Stipulations:

- Antelope Stipulations:
  No construction from May 15 through June 20.

Critical Soils Stipulations:

No construction when wet.

13. Other Information:

A Class III archaeological survey and a paleontological survey have been performed and will be submitted.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

14. Lessee's or Operator's Representative & Certification:

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
P.O. Box 173779
Denver, CO 80217-3779
(720) 929-6226

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Kevin McIntyre

6/24/2008
Date

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	June 24, 2008	
WELL NAME	**NBU 1022-04GT**		TD	8,850' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	ELEVATION	5,070' GL	KB 5,085'
SURFACE LOCATION	SWNE 1897' FNL & 1861' FEL, SEC. 4, T10S, R22E			BHL	Straight Hole
	Latitude: 39.980090	Longitude: -109.441460	NAD 27		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,349'					
	Green River @	**1,215'**			
	Top of Birds Nest Water @	**1499'**			
	Mahogany @	**1,977'**			
	Preset f/ GL @	**2,100' MD**			
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.					
					Water/Fresh Water Mud
Mud logging program TBD					
Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2",11.6#, I-80 or equivalent LTC casing	8.3-10.0 ppg
	Wasatch @	**4,349'**			
	Mverde @	**6,785'**			
	MVU2 @	**7,666'**			
	MVL1 @	**8,288'**			
	TD @	**8,850'**			Max anticipated Mud required 11.6 ppg

KerrMcGee **KERR-McGEE OIL & GAS ONSHORE LP**

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2100	36.00	J-55	LTC	1.04	2.06	7.63
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 8850	11.60	I-80	LTC	2.29	1.19	2.24

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)

2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) .22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3420 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,840'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	420	60%	11.00	3.38
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1400	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____

Brad Laney

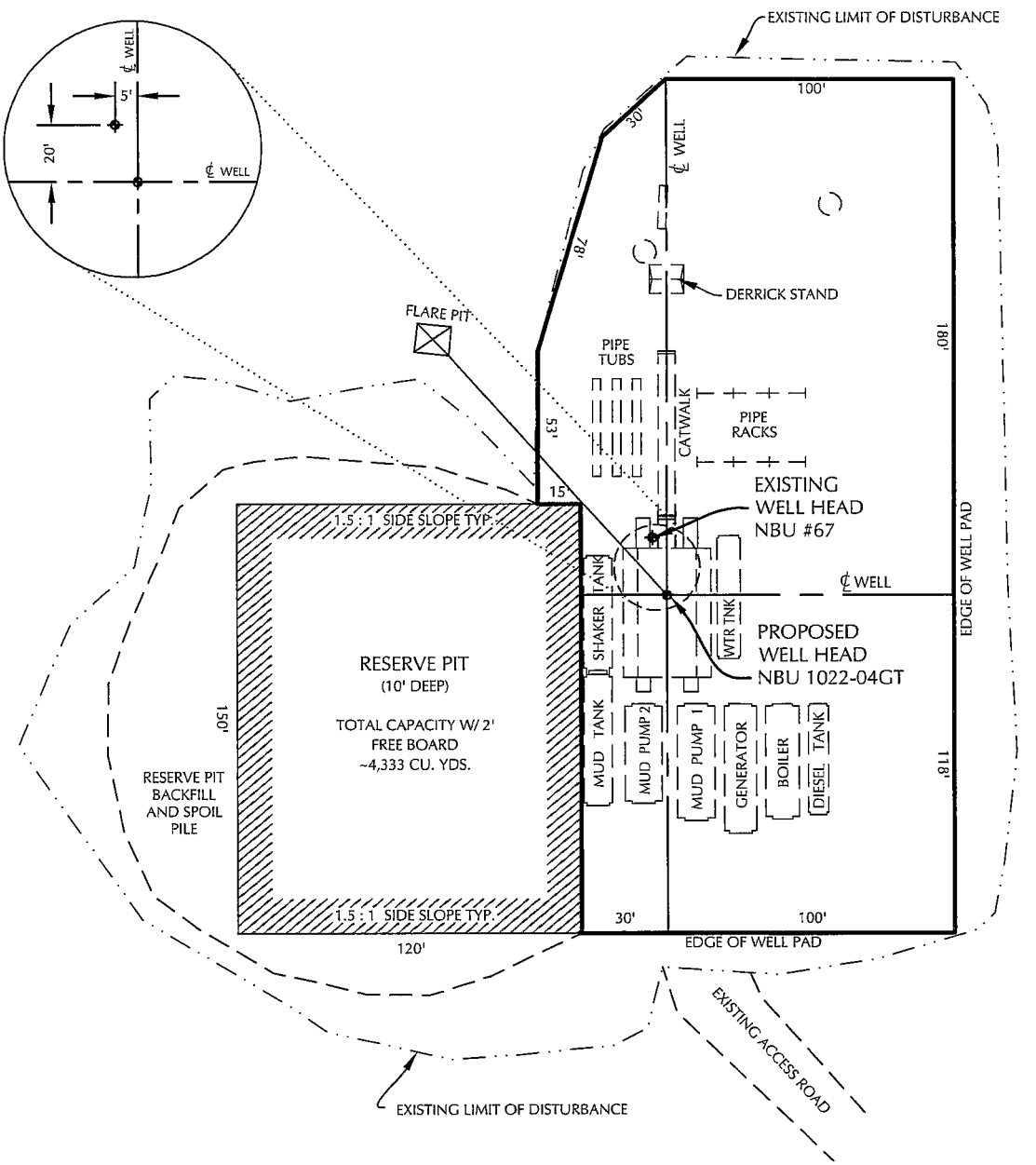
DRILLING SUPERINTENDENT: _____ **DATE:** _____

Randy Bayne NBU 1022-04GT.xls

Kerr-McGee Oil & Gas Onshore, LP
NBU #1022-04GT
SECTION 4, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION, GRADUALLY CHANGING TO NORTHERLY APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-04GT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-04GT WELL LOCATION IS APPROXIMATELY 55.3 MILES.



NOTES:

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238'
3. NBU 1022-04GT EXISTING GROUND ELEVATION = 5,069.6'

KERR-MCGEE OIL & GAS
ONSHORE, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04GT
LOCATION LAYOUT
1,897' FNL - 1,861' FEL
SW1/4NE1/4, SEC. 4, T.10S.,R.22E.
S.L.B. & M., UINTAH COUNTY, UTAH

609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

0 60 120
SCALE: 1" = 60'

Scale: 1"=60'	Date: 6/10/08	SHEET NO:
REVISED:	BY DATE	3 3 OF 7

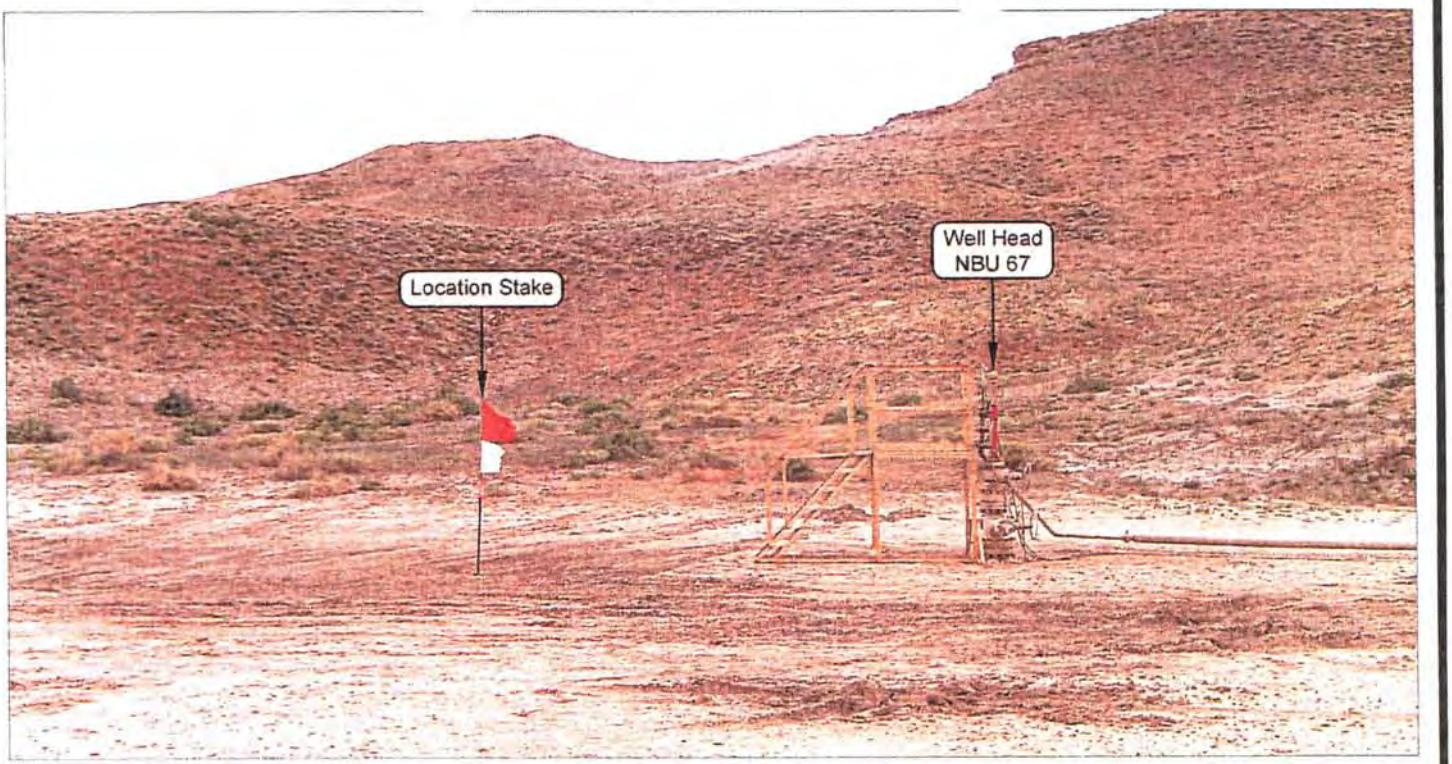


PHOTO VIEW: LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

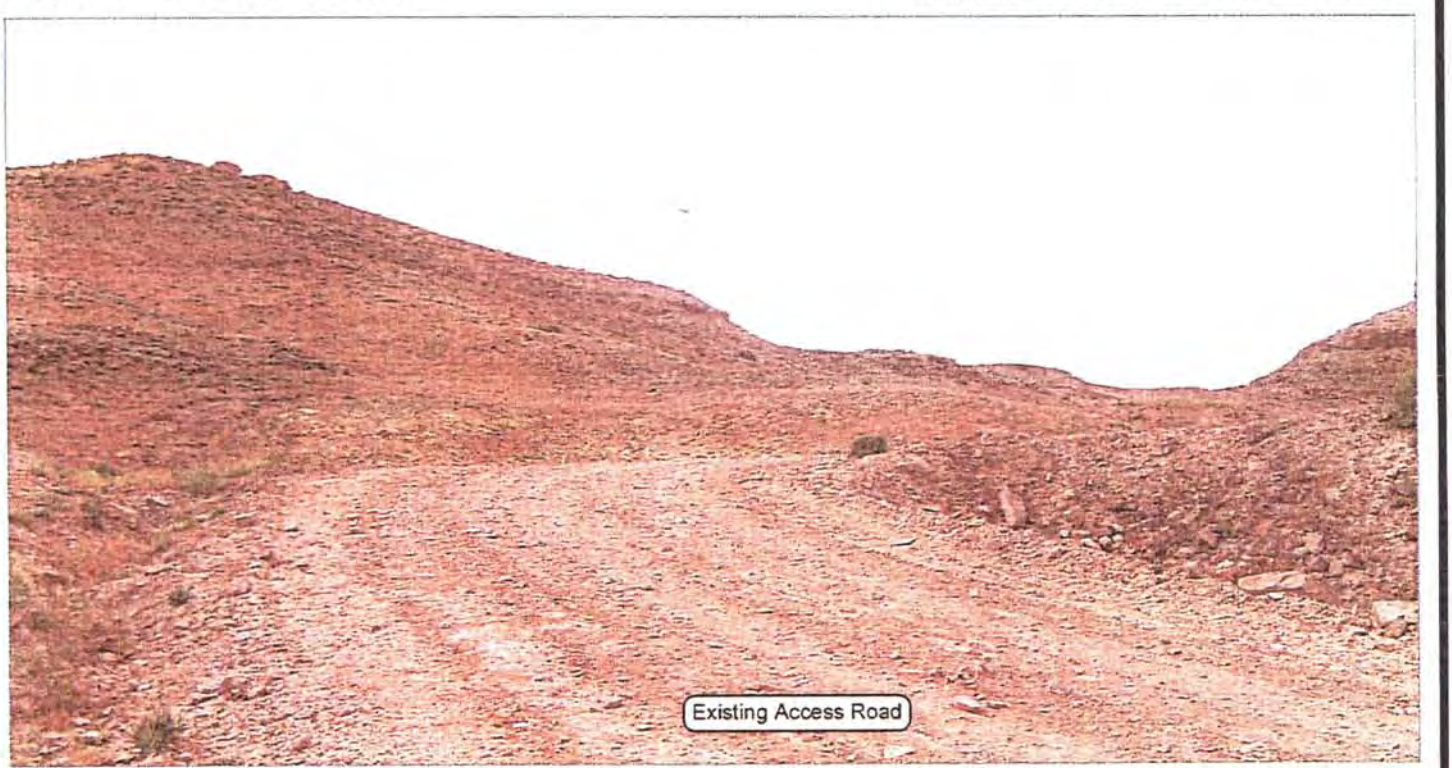


PHOTO VIEW: EXISTING ROAD

CAMERA ANGLE: NORTHWESTERLY

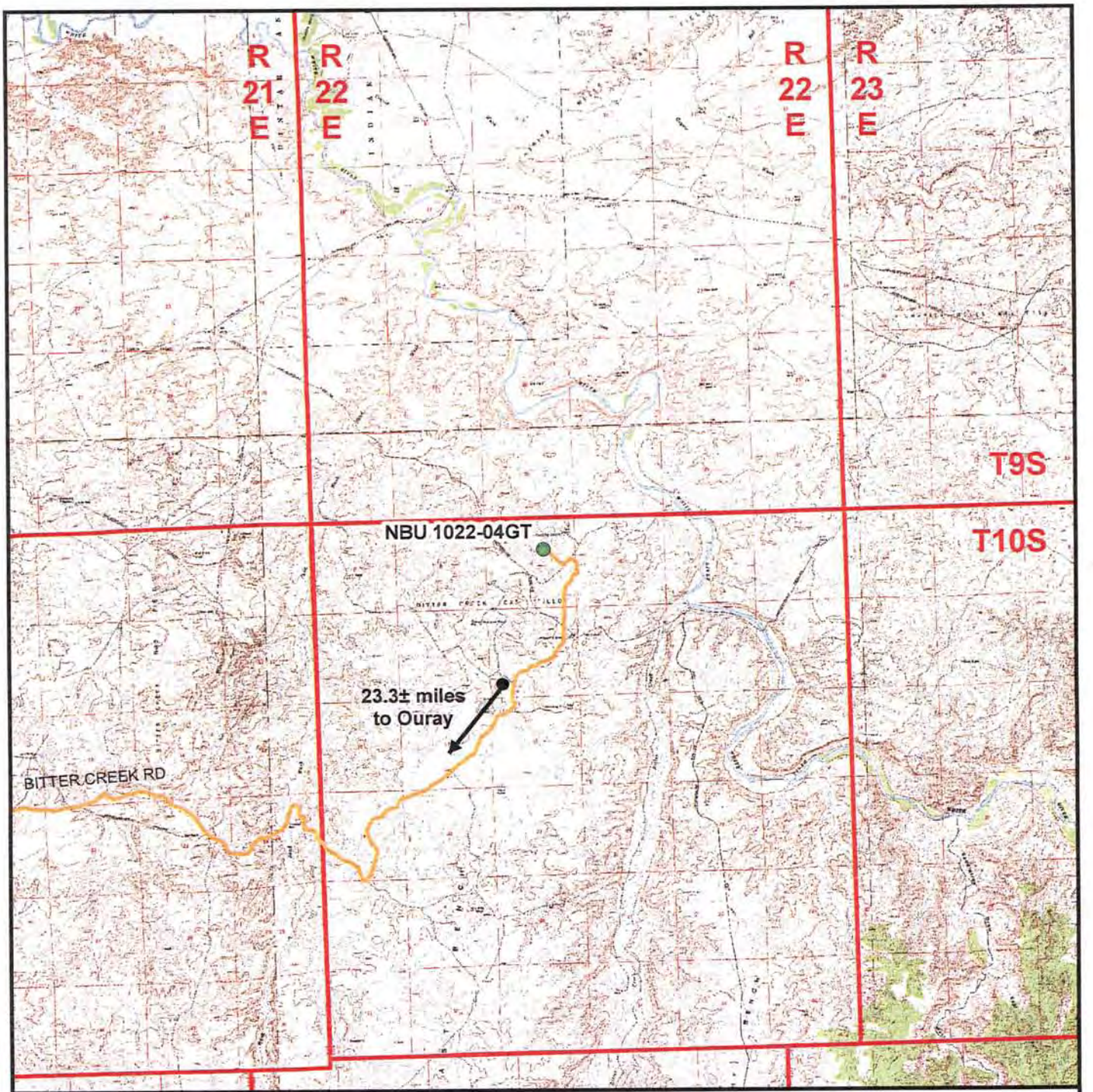
Kerr–McGee
Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 – Denver, Colorado 80202

NBU 1022-04GT
1897' FNL, 1861' FEL
SW ¼ NE ¼ OF SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.

CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS		DATE TAKEN: 06-03-08
		DATE DRAWN: 06-06-08
TAKEN BY: B.J.S.	DRAWN BY: M.W.W.	REVISED: 06-13-08

Timberline Engineering & Land Surveying, Inc. (435) 789-1365
38 WEST 100 NORTH VERNAL, UTAH 84078



Legend

- Proposed NBU 1022-04GT Well Location
- Existing Access Roads

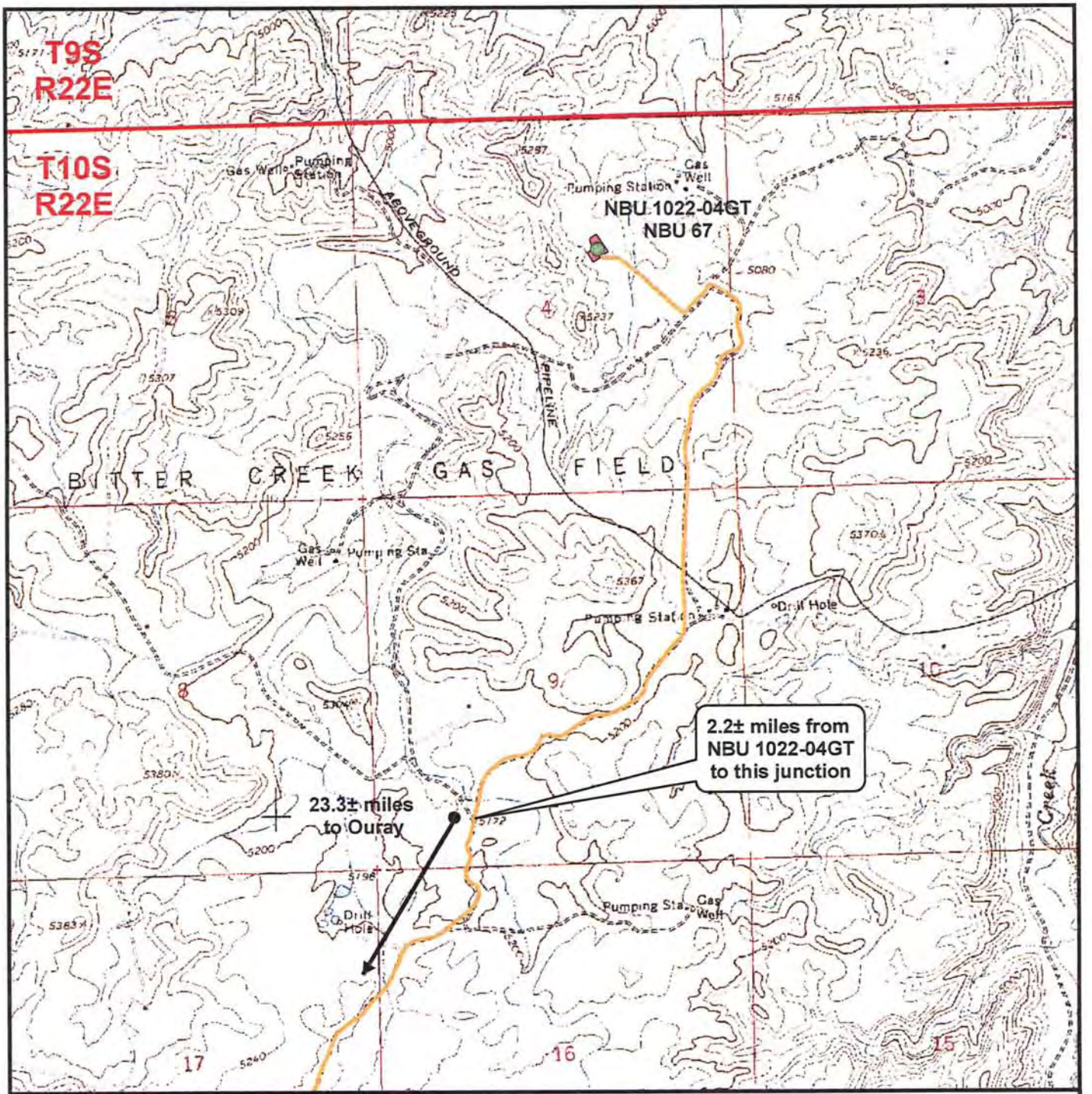
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04GT
Topo A
1897' FNL, 1861' FEL
SW¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182

N

Scale: 1:100,000	NAD83 US P Central	Sheet No: 5	5 of 7
Drawn: JELo	Date: 12 June 2008		
Revised:	Date:		



Legend

- Proposed NBU 1022-04GT Well Location
- Existing Access Roads

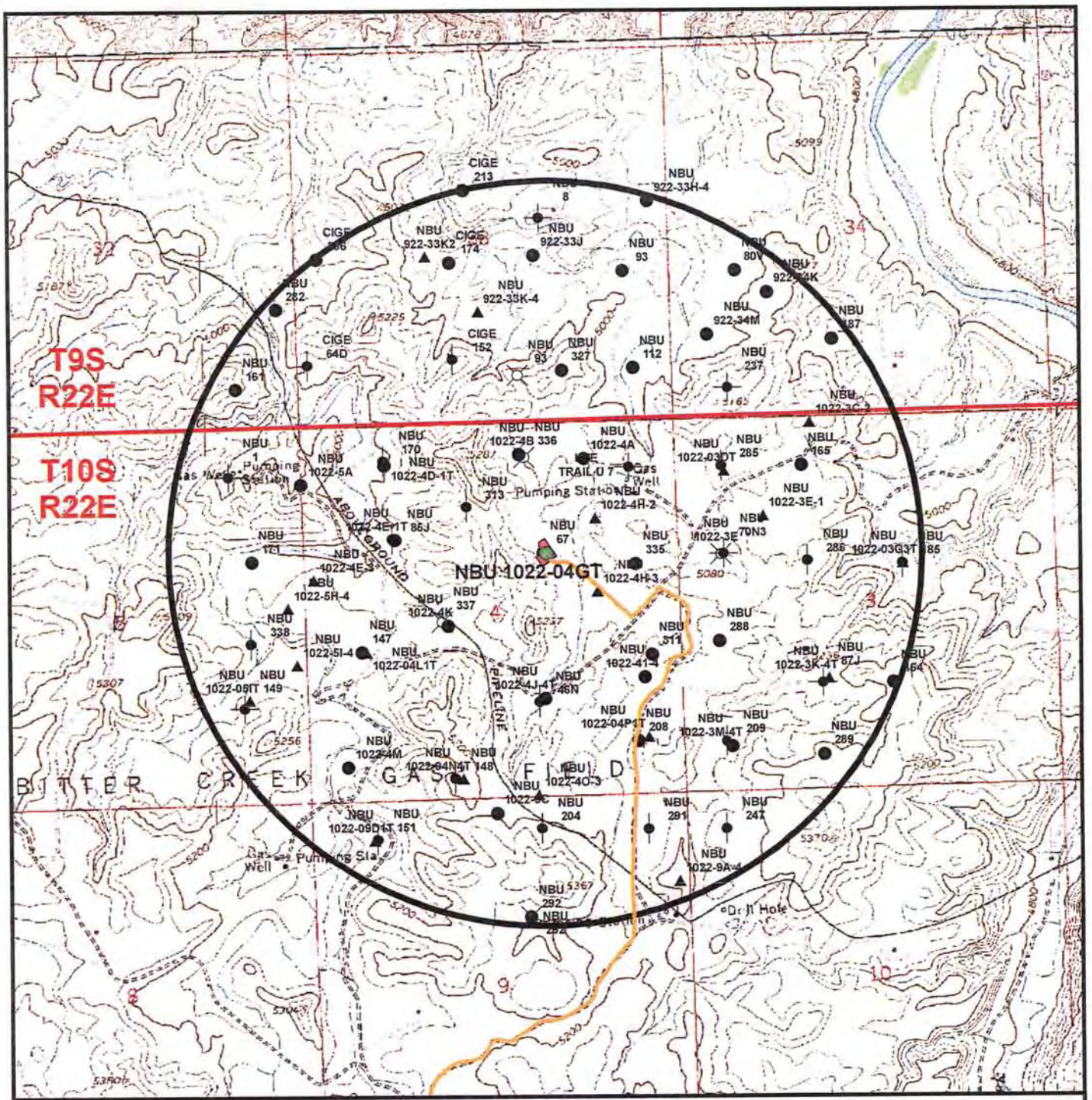
Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04GT
Topo B
1897' FNL, 1861' FEL
SW¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182

N

Scale: 1" = 2000ft	NAD83 US P Centra	Sheet No: 6 of 7
Drawn: JELo	Date: 9 June 2008	
Revised:	Date:	



Legend

- Proposed NBU 1022-04GT Well Location
- Existing Access Roads

- Producing
- Approved permit (APD); not yet spudded
- Location Abandoned
- Plugged and Abandoned
- Shut-In

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04GT
Topo C
1897' FNL, 1861' FEL
SW¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182

N

Scale: 1" = 2000ft	NAD83 USP Central	Sheet No: 7 of 7
Drawn: JELo Date: 9 June 2008		
Revised: Date:		

WORKSHEET

APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/27/2008

API NO. ASSIGNED: 43-047-40191

WELL NAME: NBU 1022-04GT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

SWNE 04 100S 220E

SURFACE: 1897 FNL 1861 FEL

BOTTOM: 1897 FNL 1861 FEL

COUNTY: UINTAH

LATITUDE: 39.98001 LONGITUDE: -109.4414

UTM SURF EASTINGS: 633084 NORTHINGS: 4426492

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	**Initials**	**Date**
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 1 - Federal

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

✓ Plat

✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB000291)

N Potash (Y/N)

Y Oil Shale 190-5 (B) or 190-3 or 190-13

✓ Water Permit
(No. 43-8496)

N RDCC Review (Y/N)
(Date:)

NA Fee Surf Agreement (Y/N)

NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

✓ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-2-1999

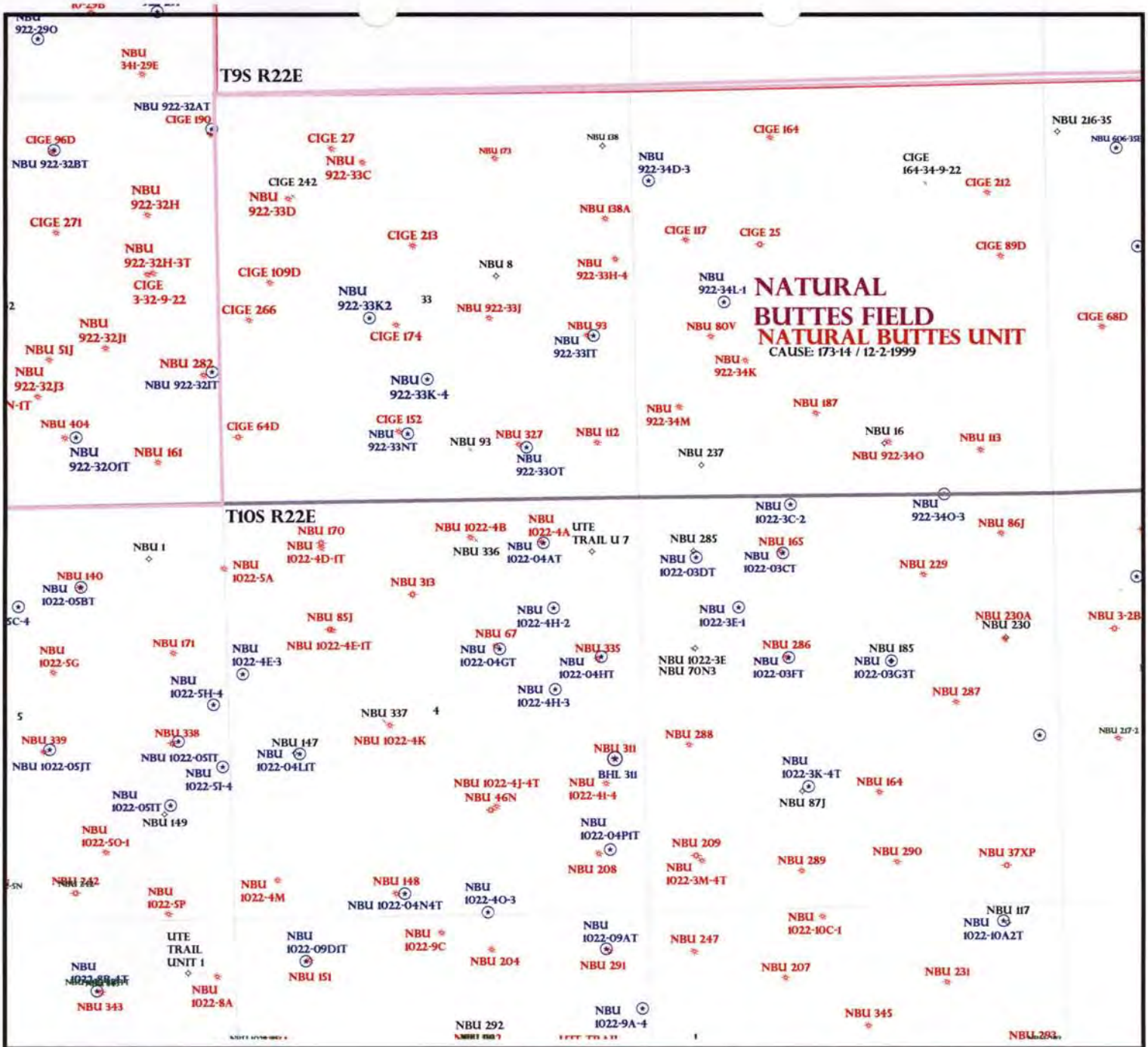
Siting: Wells in Units & Uncomm. Tracts

___ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: Federal Approval

2- Oil Shale



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 4 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 14-JULY-2008

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

July 15, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-40184	NBU 921-30FT	Sec 30 T09S R21E 1585 FNL 2614 FWL
43-047-40185	NBU 921-31BT	Sec 31 T09S R21E 0670 FNL 2008 FEL
43-047-40170	NBU 921-27KT	Sec 27 T09S R21E 1527 FSL 1821 FWL
43-047-40171	NBU 921-27MT	Sec 27 T09S R21E 0634 FSL 0931 FWL
43-047-40172	NBU 921-27OT	Sec 27 T09S R21E 0646 FSL 2211 FEL
43-047-40173	NBU 921-27HT	Sec 27 T09S R21E 2025 FNL 0623 FEL
43-047-40174	NBU 921-27LT	Sec 27 T09S R21E 1954 FSL 0641 FWL
43-047-40175	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-40227	NBU 921-27C2D	Sec 27 T09S R21E 0650 FNL 1730 FWL
43-047-40203	NBU 921-27D2DS	Sec 27 T09S R21E 0660 FNL 1713 FWL
	BHL	Sec 27 T09S R21E 0395 FNL 0350 FWL
43-047-40202	NBU 921-27D2AS	Sec 27 T09S R21E 0640 FNL 1747 FWL
	BHL	Sec 27 T09S R21E 0050 FNL 0350 FWL
43-047-40201	NBU 921-27C2AS	Sec 27 T09S R21E 0630 FNL 1765 FWL
	BHL	Sec 27 T09S R21E 0300 FNL 1730 FWL
43-047-40169	NBU 921-26IT	Sec 26 T09S R21E 1964 FSL 0674 FEL
43-047-40176	NBU 922-29NT	Sec 29 T09S R22E 0845 FSL 1627 FWL
43-047-40177	NBU 922-29KT	Sec 29 T09S R22E 1795 FSL 1936 FWL
43-047-40178	NBU 922-31BT	Sec 31 T09S R22E 0888 FNL 2191 FEL

43-047-40179	NBU 922-32ET		Sec 32	T09S	R22E	2477	FNL	0094 FWL
43-047-40186	NBU 922-33OT		Sec 33	T09S	R22E	0692	FSL	1465 FEL
43-047-40187	NBU 922-33NT		Sec 33	T09S	R22E	0890	FSL	2291 FWL
43-047-40188	NBU 922-33IT		Sec 33	T09S	R22E	2115	FSL	0579 FEL
43-047-40191	NBU 1022-04GT		Sec 04	T10S	R22E	1897	FNL	1861 FEL
43-047-40189	NBU 922-35IT		Sec 35	T09S	R22E	2133	FSL	0627 FEL
43-047-40190	NBU 1022-01CT		Sec 01	T10S	R22E	0819	FNL	2106 FWL
43-047-40192	NBU 1022-08IT		Sec 08	T10S	R22E	1757	FSL	0323 FEL
43-047-40193	NBU 1022-08GT		Sec 08	T10S	R22E	2313	FNL	1922 FEL
43-047-40194	NBU 1022-09AT		Sec 09	T10S	R22E	0472	FNL	0582 FEL
43-047-40195	NBU 1022-10HT		Sec 10	T10S	R22E	1798	FNL	0297 FEL
43-047-40196	NBU 1022-10FT		Sec 10	T10S	R22E	2200	FNL	2094 FWL
43-047-40204	NBU 1022-32D1S		Sec 32	T10S	R22E	0205	FNL	2058 FWL
		BHL	Sec 32	T10S	R22E	0270	FNL	1310 FWL
43-047-40205	NBU 1022-32D4AS		Sec 32	T10S	R22E	0198	FNL	2077 FWL
		BHL	Sec 32	T10S	R22E	0760	FNL	1180 FWL
43-047-40206	NBU 1022-32B3S		Sec 32	T10S	R22E	0185	FNL	2114 FWL
		BHL	Sec 32	T10S	R22E	1150	FNL	2130 FEL
43-047-40207	NBU 1022-32D4DS		Sec 32	T10S	R22E	0192	FNL	2096 FWL
		BHL	Sec 32	T10S	R22E	1240	FNL	1050 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:7-15-08

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 16, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 1022-04GT Well, 1897' FNL, 1861' FEL, SW NE, Sec. 4, T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40191.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 1022-04GT

API Number: 43-047-40191

Lease: UTU-01191

Location: SW NE **Sec.** 4 **T.** 10 South **R.** 22 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   Notify the Division within 24 hours of spudding the well.

   - Contact Carol Daniels at (801) 538-5284.

   Notify the Division prior to commencing operations to plug and abandon the well.

   - Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

Form 3160-3
(August, 2007)

FORM APPROVED
OMB NO. 1004-0137
Expires: July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
VERNAL FIELD OFFICE
JUN 16 2008

APPLICATION FOR PERMIT TO DRILL OR REENTER

DEPT OF THE INTERIOR
BUREAU OF LAND MGMT

1a. Type of Work: [X] DRILL [ ] REENTER	5. Lease Serial No. UTU-01191
1b. Type of Well: [ ] [X] Gas Well [ ] Other [ ] Single Zone [X] Multiple Zone	6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP	7. If Unit or CA Agreement, Name and No. 891008900A
3a. Address P.O. Box 173779 Denver, CO 80217-3779	8. Lease Name and Well No. NBU 1022-04GT
3b. Phone No. *(include area code)* 720.929.6226	9. API Well No. 43-047-40191
4. Location of well *(Report location clearly and In accordance with any State requirements.*)* At surface 1897 FNL 1861 FEL SW NE Lat. 39.98009 Long. -109.44146 At proposed prod. zone N/A NAD 27	10. Field and Pool, or Exploratory Natural Buttes Field
	11. Sec.,T.,R.,M.,or Blk.and Survey or Area Sec 4 T 10S R 22E
14. Distance in miles and direction from the nearest town or post office* 25.5 miles northeast of Ouray, Utah	12. Cou State Uintah Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. unit line, if any) 1861	16. No. of acres in lease 1041.78	17. Spacing Unit dedicated to this well 40
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 60'	19. Proposed Depth 8850'	20. BLM/ BIA Bond No. on file WYB000291
21. Elevations (Show whether DF. RT, GR, etc.) 5070' GR	22. Aproximate date work will start* Upon Approval	Esti mat 10 days

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lan SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by existing bond on file(se item 20 above).
5. Operator certification.
6. Such other site specific information and/ or plans as may be required by authorized officer.

25. Signature Kevin McIntyre	Name *(Printed/ Typed)* Kevin McIntyre
Title Regulatory Analyst	
Approved By *(Signature)*	Name *(Printed/ Typed)* JERRY KENCZKA DEC 04 2008
Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
DEC 09 2008
DIV. OF OIL, GAS & MINING

(Continued on page 2) *(Instructions on page 2)*

08SM0136A

UDOGM

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Kerr McGee Oil & Gas**	**Location:**	**SWNE, Sec.4,T10S,R22E**
Well No:	**NBU 1022-04GT**	**Lease No:**	**UTU-01191**
API No:	**43-047-40191**	**Agreement:**	**Natural Buttes**

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.

- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC CONDITIONS OF APPROVAL

Mitigation Measures: [redacted]

DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- Surface casing cement shall be brought up and into the surface. Top of Cmnt is to reach surf. For the Surface casing cementing program (operator's specified Option 1 where well does not circulate water), operator is required to pump additional cement beyond the stated amounts in application.

- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1400 ft. The minimum cement top is approximately 0700 ft above the surface casing shoe.
  Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.
  COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).

- Operator is to notify BLM Vernal Field Office and active gilsonite mining operator (or lease holder) located within a 2 mile radius, 48 hours prior to pad explosives blasting. Well is not close to gilsonite vein, but on trend to gilisonite vein deposits.

- A copy of Kerr McGee's Standard Operating Practices (SOP version: dated 7/17/08 and approved 7/28/08) shall be on location.

- Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP. Kerr McGee and their contractors shall adhere to all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

- A Gamma Ray well Log shall be run from the well Total Depth to the surface.
  A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.

- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.

- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

- No aggressive/fresh hard-banded drill pipe shall be used within casing.

- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (¼¼, Sec., Twn, Rng, and P.M.).
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
    - Unit agreement and/or participating area name and number, if applicable.
    - Communitization agreement number, if applicable.

- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.

- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.

- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.

- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

Form 3160-5
(August 2007)

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill, or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE

1 TYPE OF WELL Oil Well [ ] Gas Well [X] Other:	5. LEASE SERIAL NO. UTU01191
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA
	7. IF UNIT OR CA/AGREEMENT, NAME AND/OR NO. 891008900A
	8. WELL NAME AND NO. NBU 1022-04GT
2. NAME OF OPERATOR Kerr-McGee Oil & Gas Onshore LP	9. API WELL NO. 43-047-40191
3. ADDRESS AND TELEPHONE NO. 1099 18th Street, Suite 1800 Denver, CO 80202 CONTACT: Danielle Piernot PHONE: 720-929-6156 danielle.piernot@anadarko.com	10. FIELD AND POOL, OR EXPLORATORY AREA Natural Buttes
4. LOCATION OF WELL (Footage, T, R, M, or Survey Description) 1,897' FNL 1,861' FEL SWNE Sec. 4 T10S R22E Lat. 39.98006 Long. -109.44214 NAD 83	11. COUNTY OR PARISH, STATE Uintah, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
[X] Notice of Intent	[ ] Acidize	[ ] Deepen	[ ] Production (start/resume)	[ ] Water Shut-Off	
[ ] Subsequent Report	[X] Alter Casing	[ ] Fracture Treat	[ ] Reclamation	[ ] Well Integrity	
[ ] Final Abandonment Notice	[ ] Casing Repair	[ ] New Construction	[ ] Recomplete	[ ] Other	
	[ ] Change Plans	[ ] Plug and Abandon	[ ] Temporarily Abandon		
	[ ] Convert to Injection	[ ] Plug Back	[ ] Water Disposal		

13. Describe Proposed or completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a form 3160-4 must be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

An APD for this location was submitted to the BLM and UDOGM and was assigned API 49-047-40191. UDOGM approved their portion of the APD on July 16, 2008 and the BLM approved their portion of the APD on December 4, 2008.

Kerr-McGee respectfully requests to change the surface casing for this well due to revised drilling practices.

The surface casing is changing
FROM: 2,100'
TO: 2,200'

Please the see the attached drilling diagram for additional details. All other information remains the same.

Thank you.

RECEIVED
APR 15 2009
DIV. OF OIL, GAS & MINING

COPY SENT TO OPERATOR
Date: 5.19.2009
Initials: KS

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Danielle Piernot	Title Regulatory Analyst
Signature Danielle Piernot	Date April 13, 2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE.

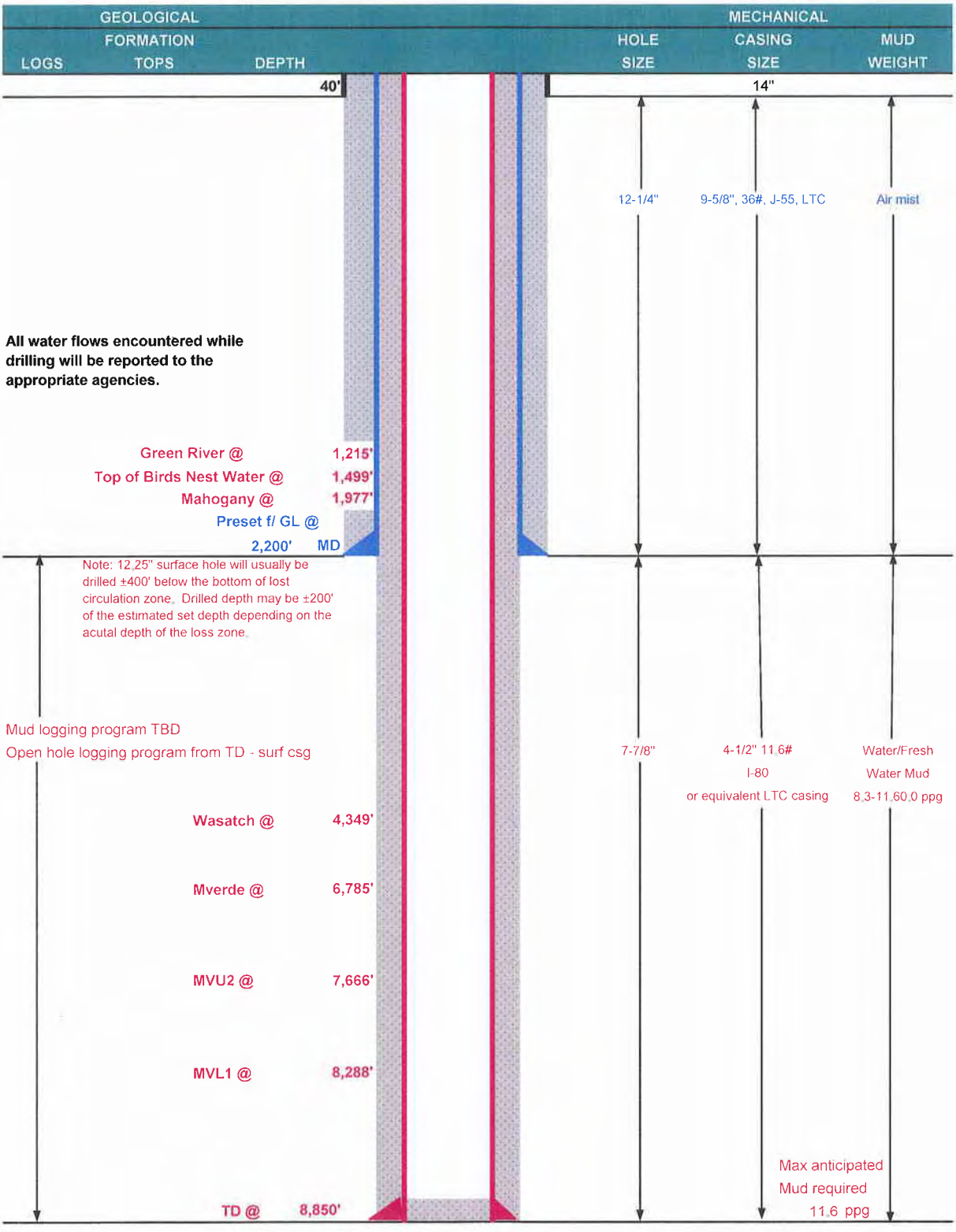
Approved by	Title Pet. Eng.	Date 5/18/09
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office DOGM	Federal Approval Of This Action Is Necessary

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	April 9, 2009		
WELL NAME	**NBU 1022-04GT**			TD	8,850'	MD/TVD	
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	ELEVATION	5,070' GL KB 5,085'
SURFACE LOCATION	SW/4 NE/4 1,897' FNL 1,861' FEL	Sec 4	T 10S	R 22E		BHL	Straight Hole
	Latitude: 39.980060	Longitude: -109.442140			NAD 83		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), Tri-County Health Dept.						



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2200	36.00	J-55	LTC	1.04	1.96	7.28
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8850	11.60	I-80	LTC	2.29	1.19	2.24

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)
(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MASP 3,291 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD
(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
MABHP 5,238 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2		NOTE: If well will circulate water to surface, option 2 will be utilized					
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,840'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	390	60%	11.00	3.38
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1400	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained
*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____
John Huycke / Grant Schluender

DRILLING SUPERINTENDENT: _____ **DATE:** _____
John Merkel / Lovel Young

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL: Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1897 FNL 1861 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/10/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, L.P. (Kerr-McGee) respectfully requests an extension to this APD for the maximum time allowed. Please contact the undersigned with any questions and/or comments. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 13, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		7/7/2009

RECEIVED July 07, 2009

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047401910000

API: 43047401910000
Well Name: NBU 1022-04GT
Location: 1897 FNL 1861 FEL QTR SWNE SEC 04 TWNP 100S RNG 220E MER S
Company Permit Issued to: KERR-MCGEE OIL & GAS ONSHORE, L.P.
Date Original Permit Issued: 7/16/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Approved by the Utah Division of Oil, Gas and Mining

Signature: Danielle Piernot **Date:** 7/7/2009
Title: Regulatory Analyst **Representing:** KERR-MCGEE OIL & GAS ONSHORE, L.P.

Date: July 13, 2009
By:

RECEIVED July 07, 2009

Federal Approval of this Action is Necessary

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1897 FNL 1861 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 9/18/2009	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface location of this well for drilling purposes. The surface location is changing FROM: 1897' FNL 1861' FEL TO: 1863' FNL 1882' FEL. All other information as originally submitted remains the same. No additional surface disturbance from that amount approved in the original APD is anticipated. If you have any questions, please contact the undersigned. Thank you.

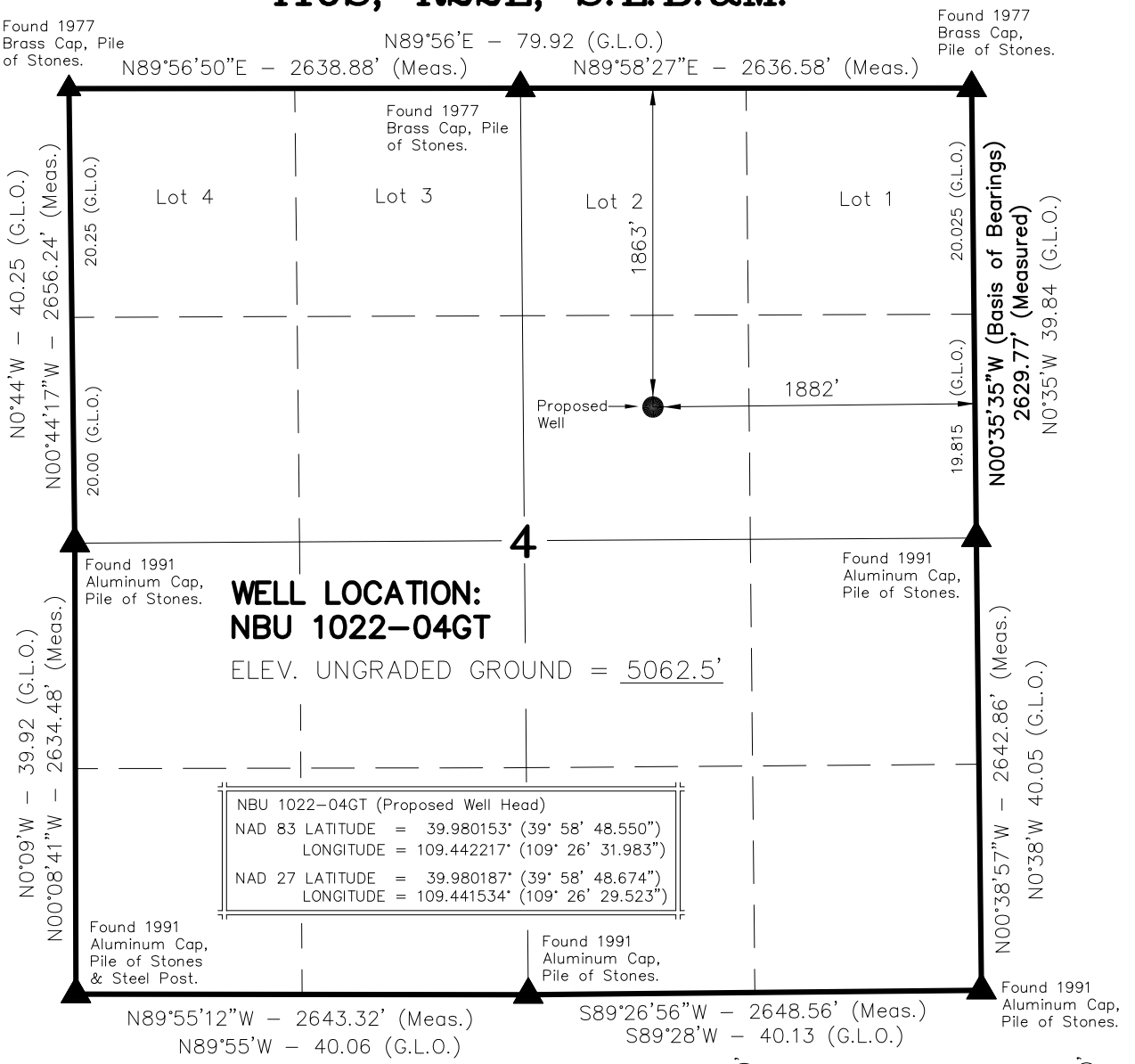
Approved by the Utah Division of Oil, Gas and Mining

Date: September 23, 2009

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 9/14/2009

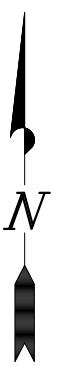
T10S, R22E, S.L.B.&M.

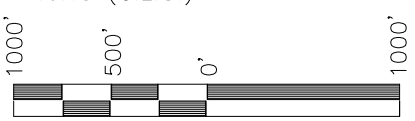


NOTES:

▲ = Section Corners Located

1. Well footages are measured at right angles to the Section Lines.
2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
3. Bearings are based on Global Positioning Satellite observations.
4. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.





SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION No. 362251
STATE OF UTAH

REGISTERED LAND SURVEYOR No.362251 KOLBY R. KAY STATE OF UTAH

Kerr-McGee
Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 – Denver, Colorado 80202

NBU 1022-04GT
WELL PLAT
1863' FNL, 1882' FEL
SW ¼ NE ¼ OF SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST – VERNAL, UTAH 84078

DATE SURVEYED: 06-03-08	SURVEYED BY: B.J.S.	SHEET 2a OF 7
DATE DRAWN: 06-06-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 09-04-09	

RECEIVED

WELL PAD INTERFERENCE PLAT

NBU 1022-04GT

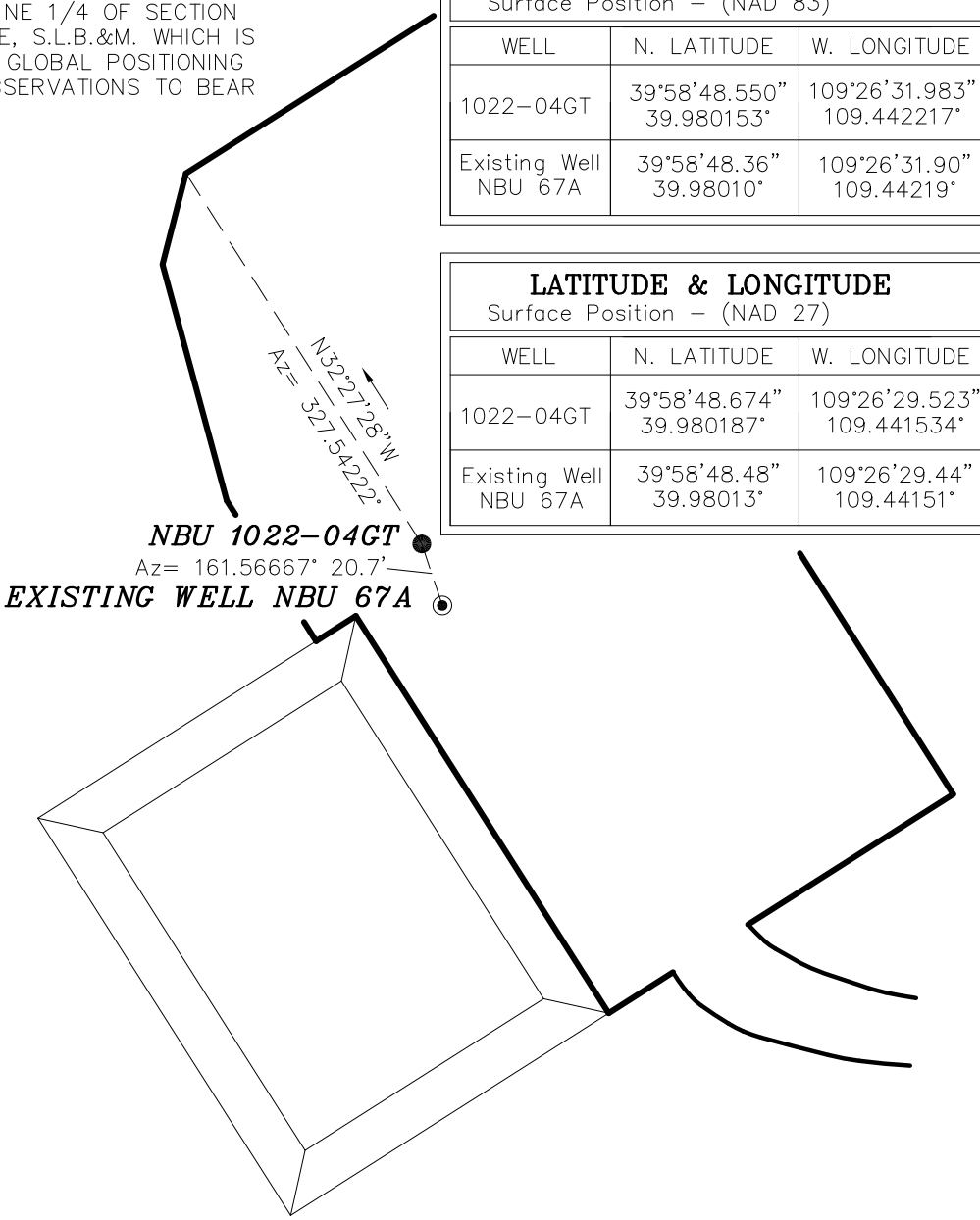
BASIS OF BEARINGS IS THE EAST LINE OF THE NE 1/4 OF SECTION 4, T10S, R22E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'35"W.

LATITUDE & LONGITUDE
Surface Position – (NAD 83)

WELL	N. LATITUDE	W. LONGITUDE
1022-04GT	39°58'48.550" 39.980153°	109°26'31.983" 109.442217°
Existing Well NBU 67A	39°58'48.36" 39.98010°	109°26'31.90" 109.44219°

LATITUDE & LONGITUDE
Surface Position – (NAD 27)

WELL	N. LATITUDE	W. LONGITUDE
1022-04GT	39°58'48.674" 39.980187°	109°26'29.523" 109.441534°
Existing Well NBU 67A	39°58'48.48" 39.98013°	109°26'29.44" 109.44151°



60' 30' 0' 60'

SCALE

SURFACE FOOTAGES:

NBU 1022-04GT
1863' FNL & 1882' FEL

NBU 67A (Existing Well Head)
1883' FNL & 1876' FEL

Kerr-McGee
Oil & Gas Onshore, LP
1099 18th Street – Denver, Colorado 80202

NBU 1022-04GT
LOCATED IN SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.

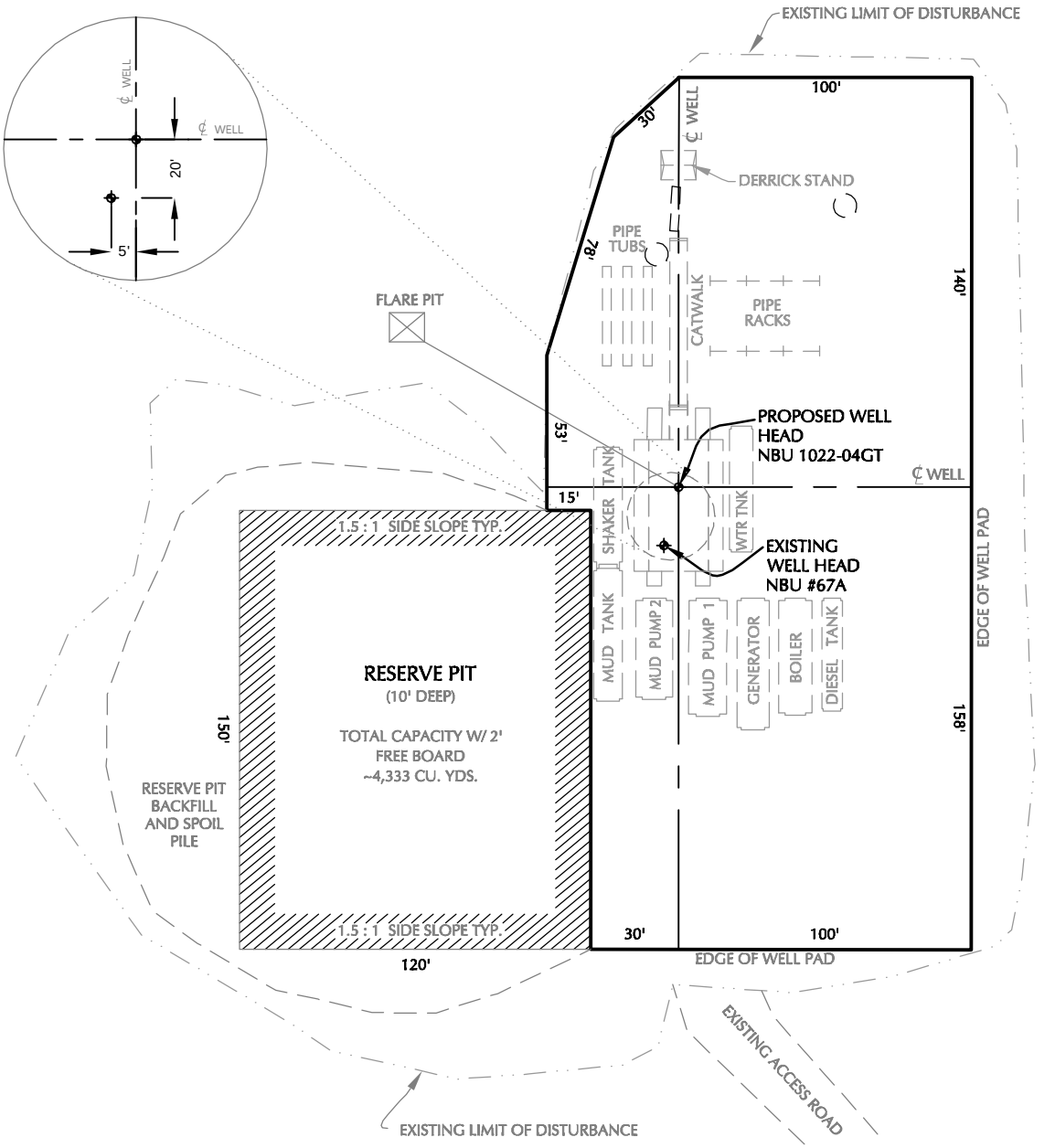
609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

DATE SURVEYED: 06-03-08	SURVEYED BY: B.J.S.
DATE DRAWN: 11-18-08	DRAWN BY: M.W.W.
	REVISED: 09-04-09

Timberline Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078
(435) 789-1365

SHEET 2b OF 7

RECEIVED



NOTES:

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238'
3. NBU 1022-04GT EXISTING GROUND ELEVATION = 5,062.5'

KERR-MCGEE OIL & GAS ONSHORE, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04GT
LOCATION LAYOUT
1,863' FNL - 1,882' FEL
SW1/4NE1/4, SEC. 4, T.10S.,R.22E.
S.L.B. & M., UINTAH COUNTY, UTAH

CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

0 60 120
SCALE: 1" = 60'

Scale: 1"=60'	Date: 6/10/08	SHEET NO: 3
REVISED:	GMH 9/9/09	3 OF 7

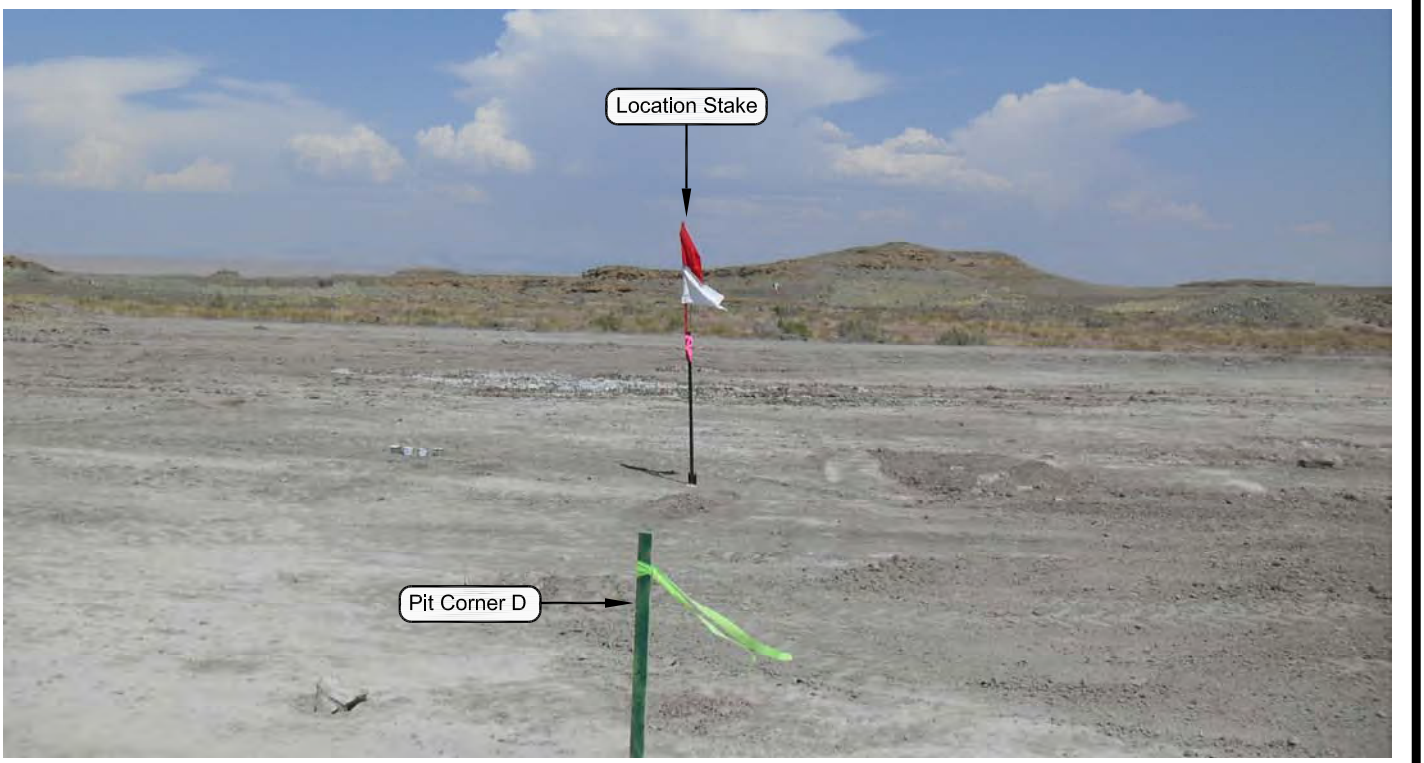


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

PHOTO VIEW: EXISTING ROAD

CAMERA ANGLE: NORTHWESTERLY

Kerr–McGee
Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 – Denver, Colorado 80202

NBU 1022-04GT
1863' FNL, 1882' FEL
SW ¼ NE ¼ OF SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.

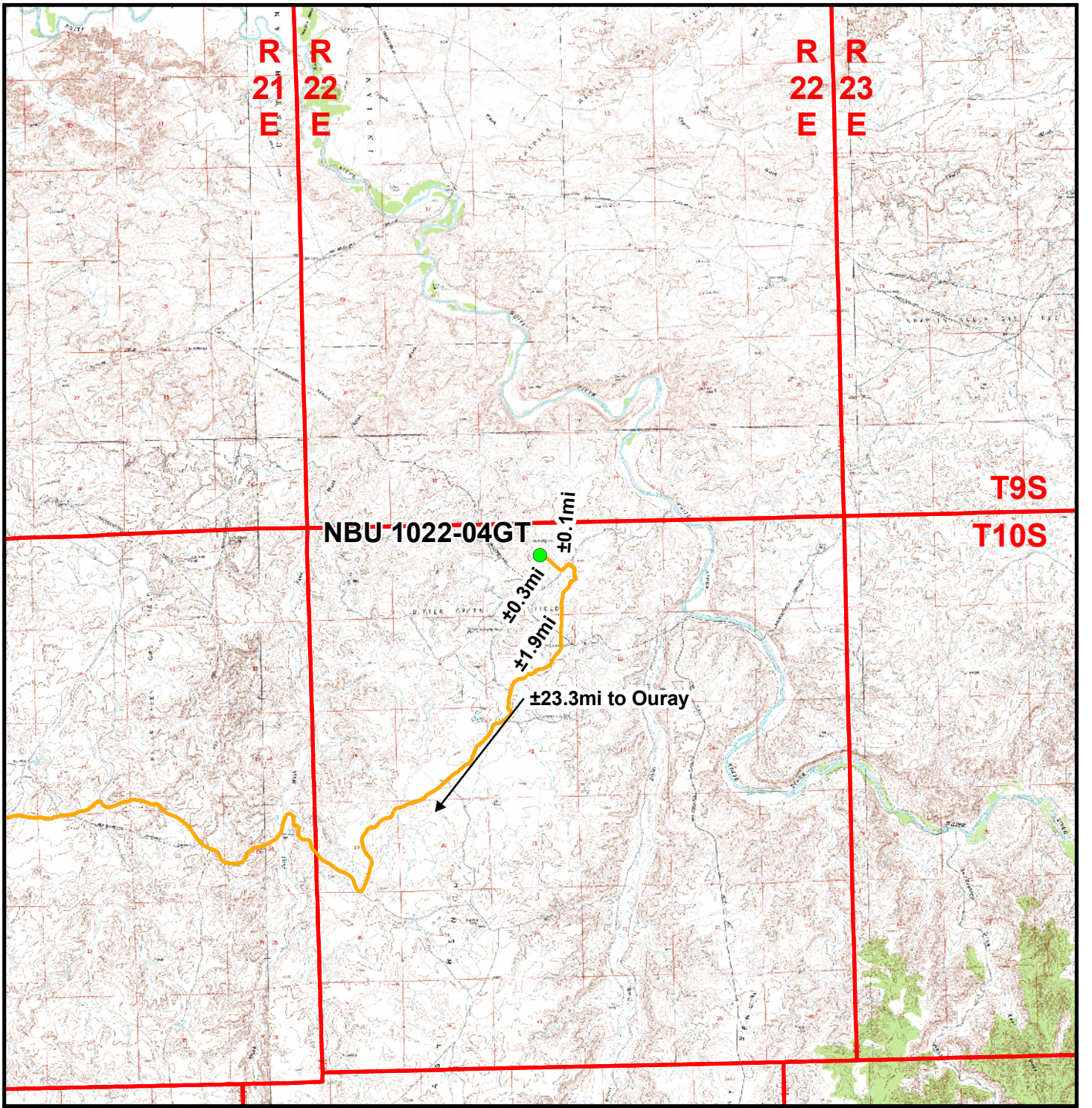
609
CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS		DATE TAKEN: 06-03-08
		DATE DRAWN: 06-06-08
TAKEN BY: B.J.S.	DRAWN BY: M.W.W.	REVISED: 09-04-09

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078

SHEET 4 OF 7

RECEIVED



Legend

- Proposed NBU 1022-04GT Well Location
- Access Route - Proposed

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

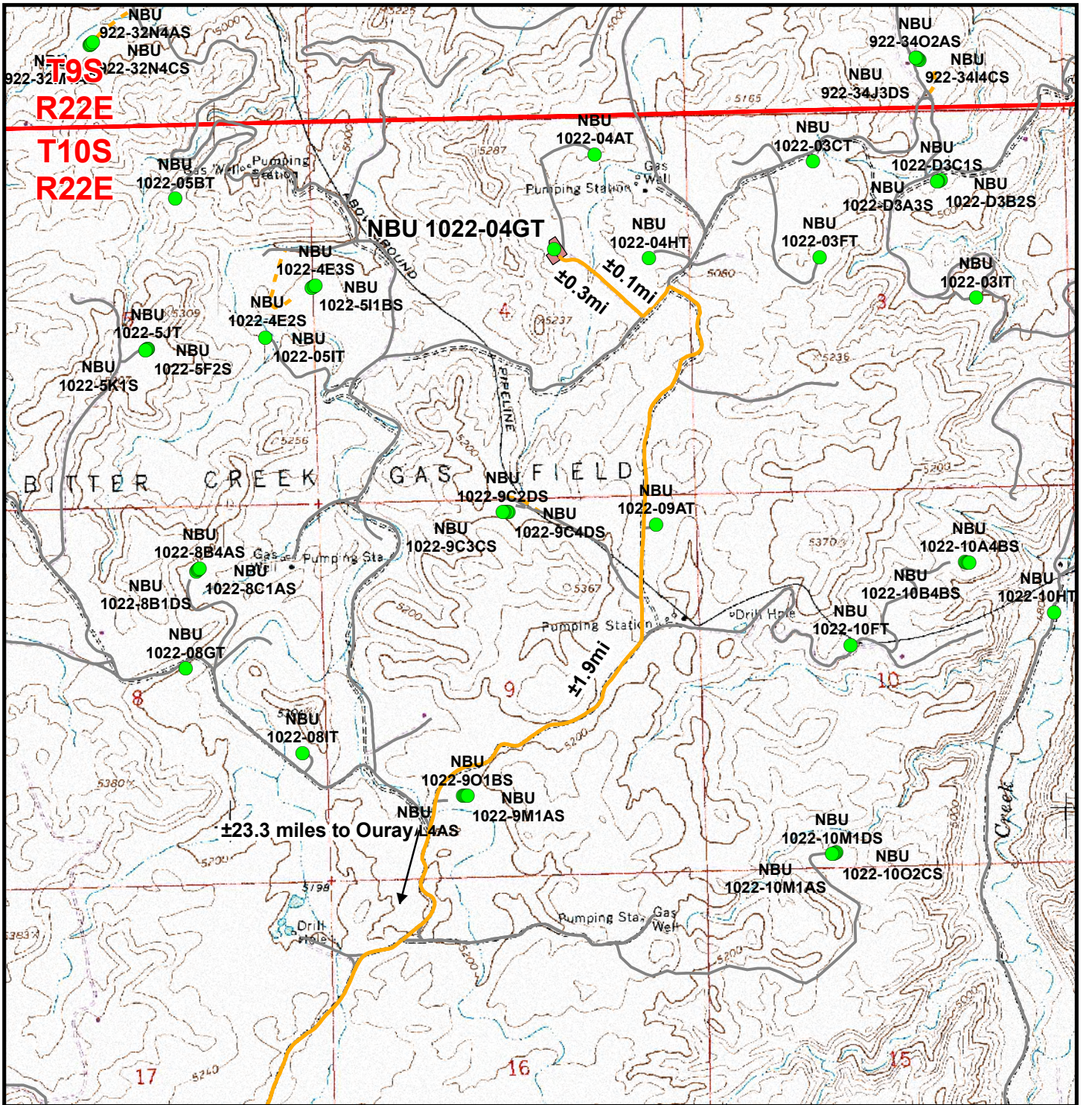
Well Pad - NBU 1022-04GT

NBU 1022-04GT
Topo A
1863' FNL, 1882' FEL
SW¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1:100,000	NAD83 USP Central	Sheet No: 5	5 of 7
Drawn: JELo	Date: 12 June 2008		
Revised: TL	Date: 8 Sept 2009		



Legend

- Well - Proposed
- Existing Access Roads

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

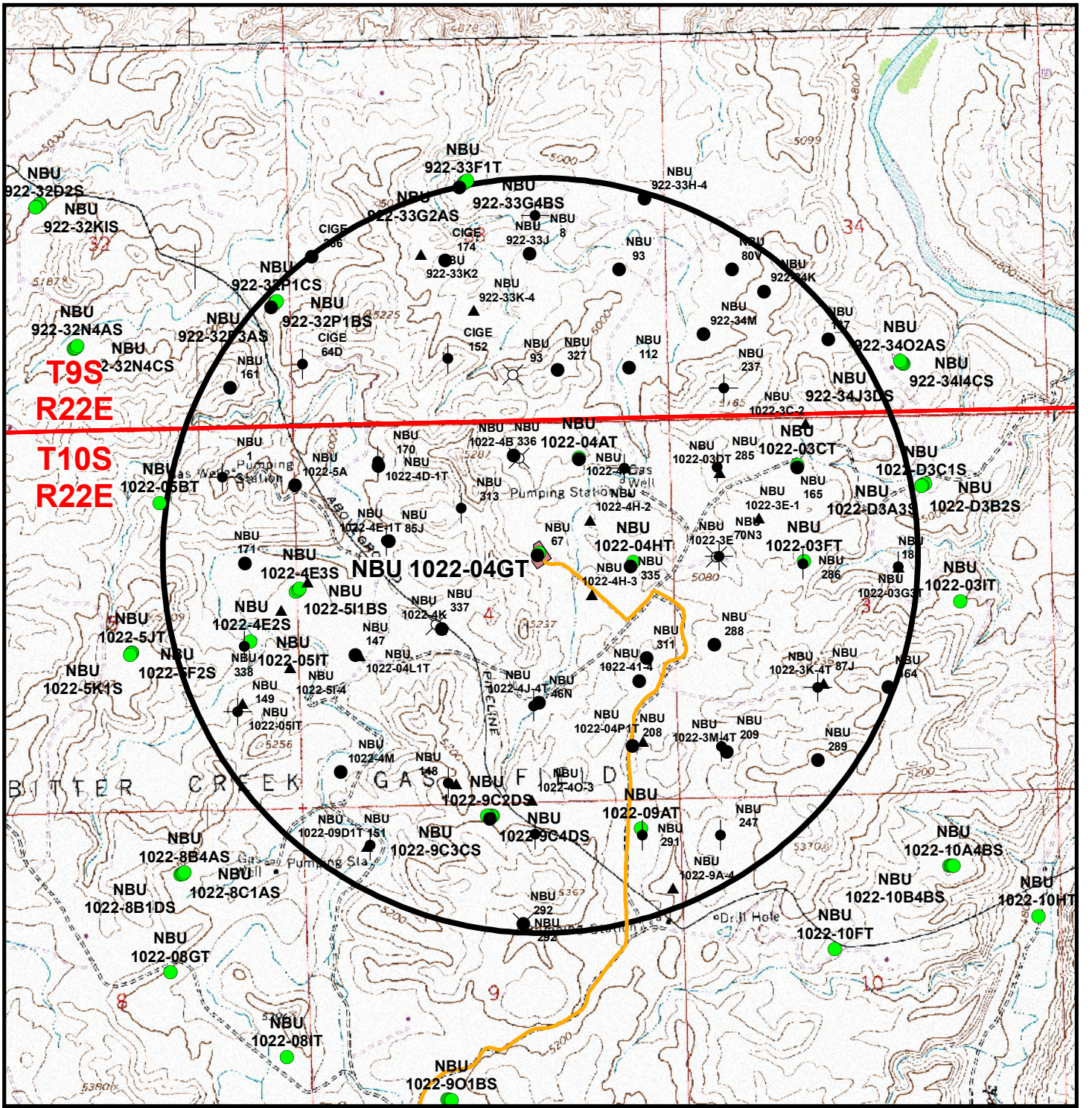
Well Pad - NBU 1022-04GT

NBU 1022-04GT
Topo B
1863' FNL, 1882' FEL
SW¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 6	6 of 7
Drawn: JELo	Date: 9 June 2008		
Revised: TL	Date: 8 Sept 2009		



Legend

Well locations derived from State of Utah, Dept. of Natural Resources, Division of Oil, Gas and Mining

- Well - Proposed
- Well - 1 Mile Radius
- Well Pad
- Producing
- Approved permit (APD); not yet spudded
- Spudded (Drilling commenced: Not yet comple
- Location Abandoned
- Temporarily-Abandoned
- Plugged and Abandoned
- Shut-In

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Denver, Colorado 80202

Well Pad - NBU 1022-04GT

NBU 1022-04GT
Topo C
1863' FNL, 1882' FEL
SW¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 674-0609
Fax (307) 674-0182

N

Scale: 1" = 2,000ft	NAD83 USP Central	Sheet No: 7	7 of 7
Drawn: JELo	Date: 9 June 2008		
Revised: TL	Date: 8 Sept 2009		

Kerr-McGee Oil & Gas Onshore, LP
NBU #1022-04GT
SECTION 4, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION, GRADUALLY CHANGING TO NORTHERLY APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-04GT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-04GT WELL LOCATION IS APPROXIMATELY 55.3 MILES.

NBU 1022-04GT
Surface: 1,863' FNL 1,882' FEL (SW/4NE/4)
Sec. 4 T10S R22E

Uintah, Utah
Mineral Lease: UTU 01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM REVISED

1. – 2. Estimated Tops of Important Geologic Markers:
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	Depth	Resource
Uinta	0 – Surface	
Green River	1,215'	
Birds Nest	1,499'	Water
Mahogany	1,977'	Water
Wasatch	4,349'	Gas
Mesaverde	6,785'	Gas
MVU2	7,666'	Gas
MVL1	8,288'	Gas
TD	8,850'	

3. Pressure Control Equipment (Schematic Attached)

Please refer to the attached Drilling Program.

4. Proposed Casing & Cementing Program:

Please refer to the attached Drilling Program.

5. Drilling Fluids Program:

Please refer to the attached Drilling Program.

6. Evaluation Program:

Please refer to the attached Drilling Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 8,850' TD, approximately equals 5,238 psi (calculated at 0.59 psi/foot).

Maximum anticipated surface pressure equals approximately 3,291 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

9. Variances:

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background
In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster

sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Variance for FIT Requirements
KMG also respectfully requests a variance to Onshore Order 2, Section III, Part Bi, for the pressure integrity test (PIT, also known as a formation integrity test (FIT)). The air rig operation utilizes a 5M BOPE when drilling. This well is not an exploratory well and is being drilled in an area where the formation integrity is well known. Additionally, when an FIT is run with the mud weight as required, the casing shoe frequently breaks down and causes subsequent lost circulation when drilling the entire depth of the well.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

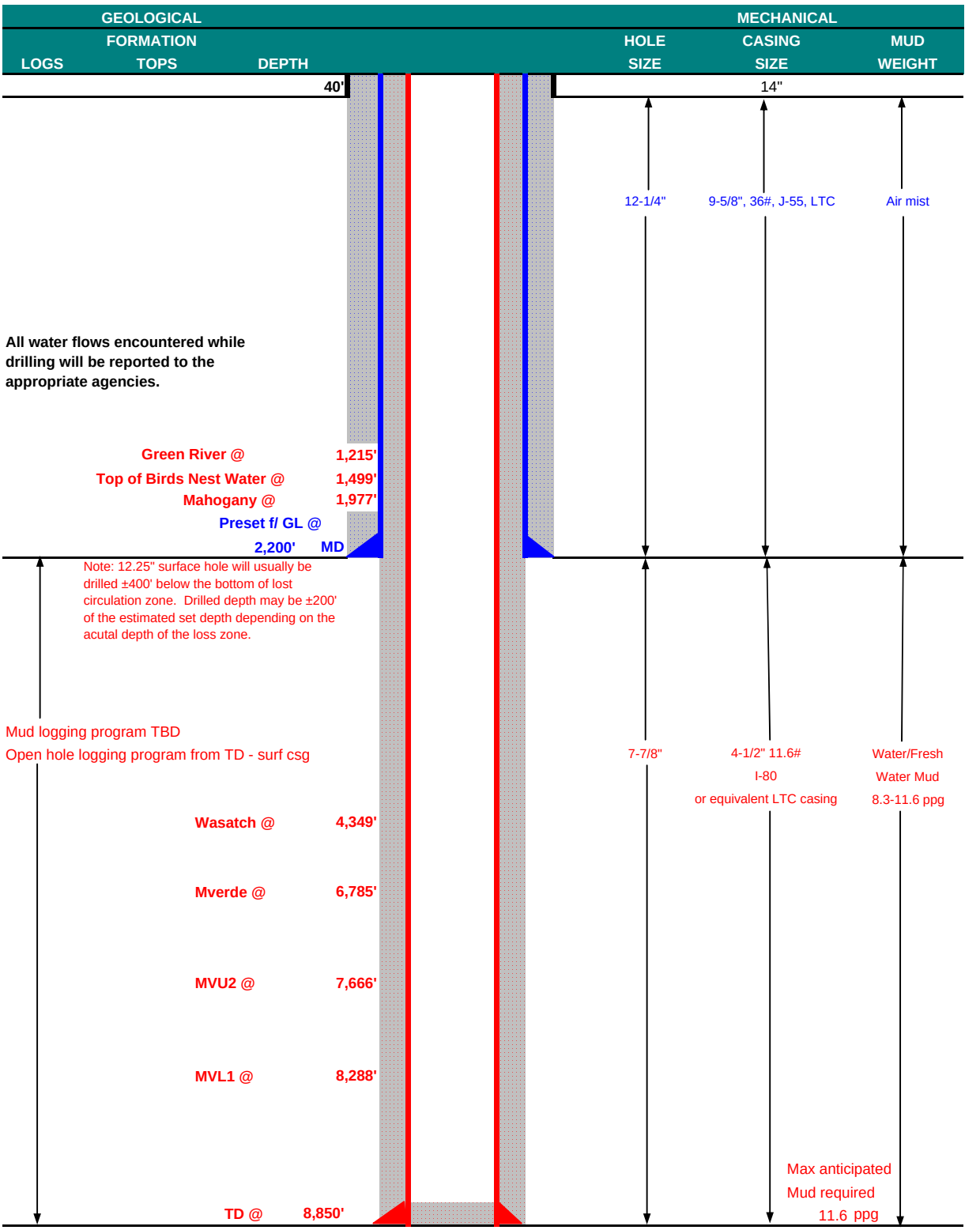
10. Other Information:

Please refer to the attached Drilling Program.

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	September 14, 2009	
WELL NAME	**NBU 1022-04GT**		TD	8,850' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah	STATE Utah	FINISHED ELEVATION	5,063'
SURFACE LOCATION	SW/4 NE/4 1,863' FNL 1,882' FEL	Sec 4	T 10S	R 22E	BHL Straight Hole
	Latitude: 39.980153	Longitude: -109.442217		NAD 83	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.				



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3,520	2,020	453,000
SURFACE	9-5/8"	0 to 2200	36.00	J-55	LTC	1.04	1.96	7.28
						7,780	6,350	201,000
PRODUCTION	4-1/2"	0 to 8850	11.60	I-80	LTC	2.29	1.19	2.24

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 11.6 ppg) 0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,291 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 11.6 ppg) 0.59 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 5,238 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,840'	Premium Lite II + 3% KCl + 0.25 pps	390	60%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel	1400	60%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

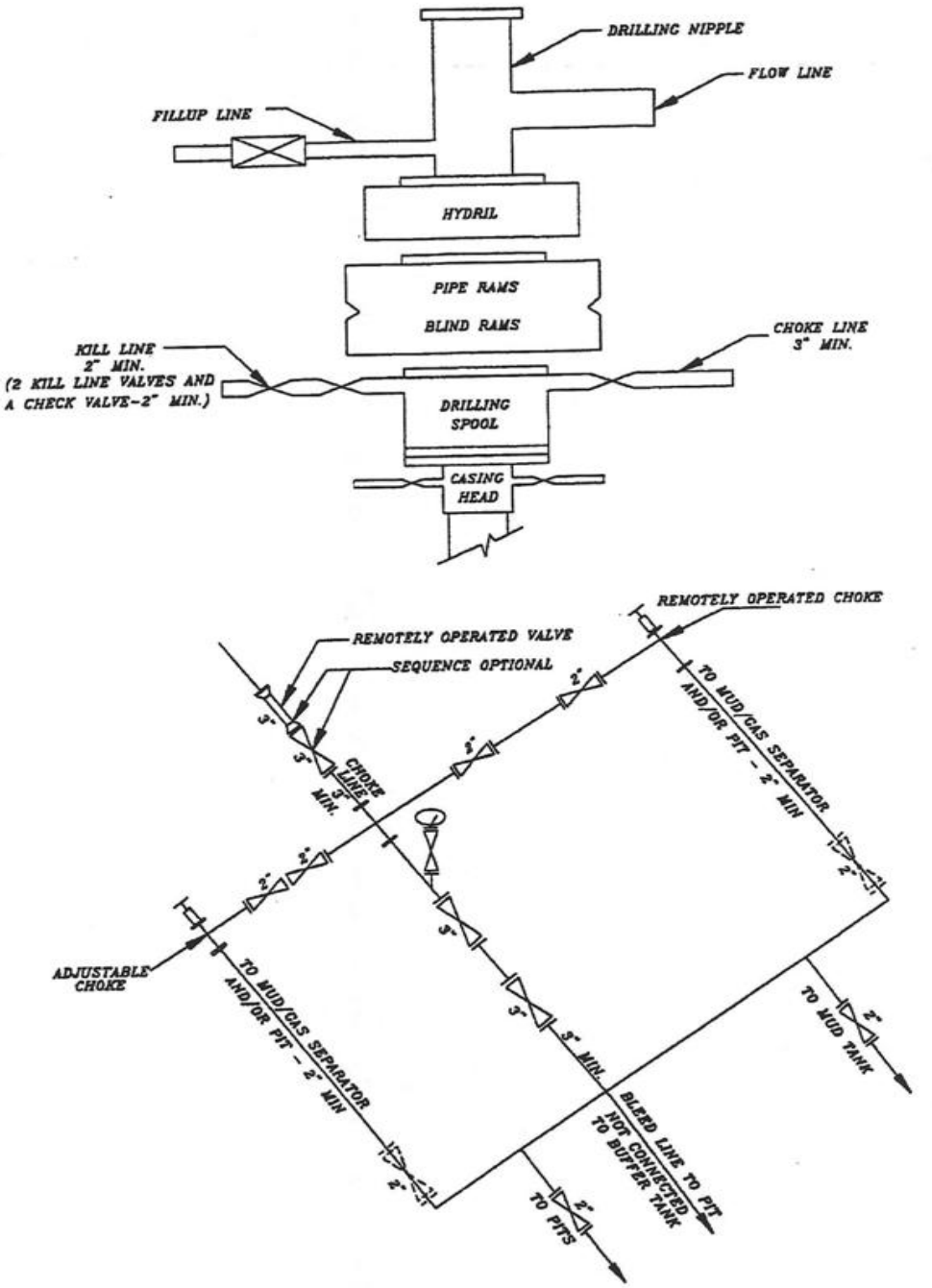
DRILLING ENGINEER: _____ **DATE:** _____

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____

John Merkel / Lovel Young

EXHIBIT A
NBU 1022-04GT



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/8/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Revised Pad layout

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to revise the pad layout for this location to show an increased distance from the well head to the pit. There will be no additional surface disturbance due to this change. Please see the attached revised pad design pages for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 03, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/1/2010

RECEIVED June 01, 2010

WELL PAD INTERFERENCE PLAT

NBU 1022-04GT

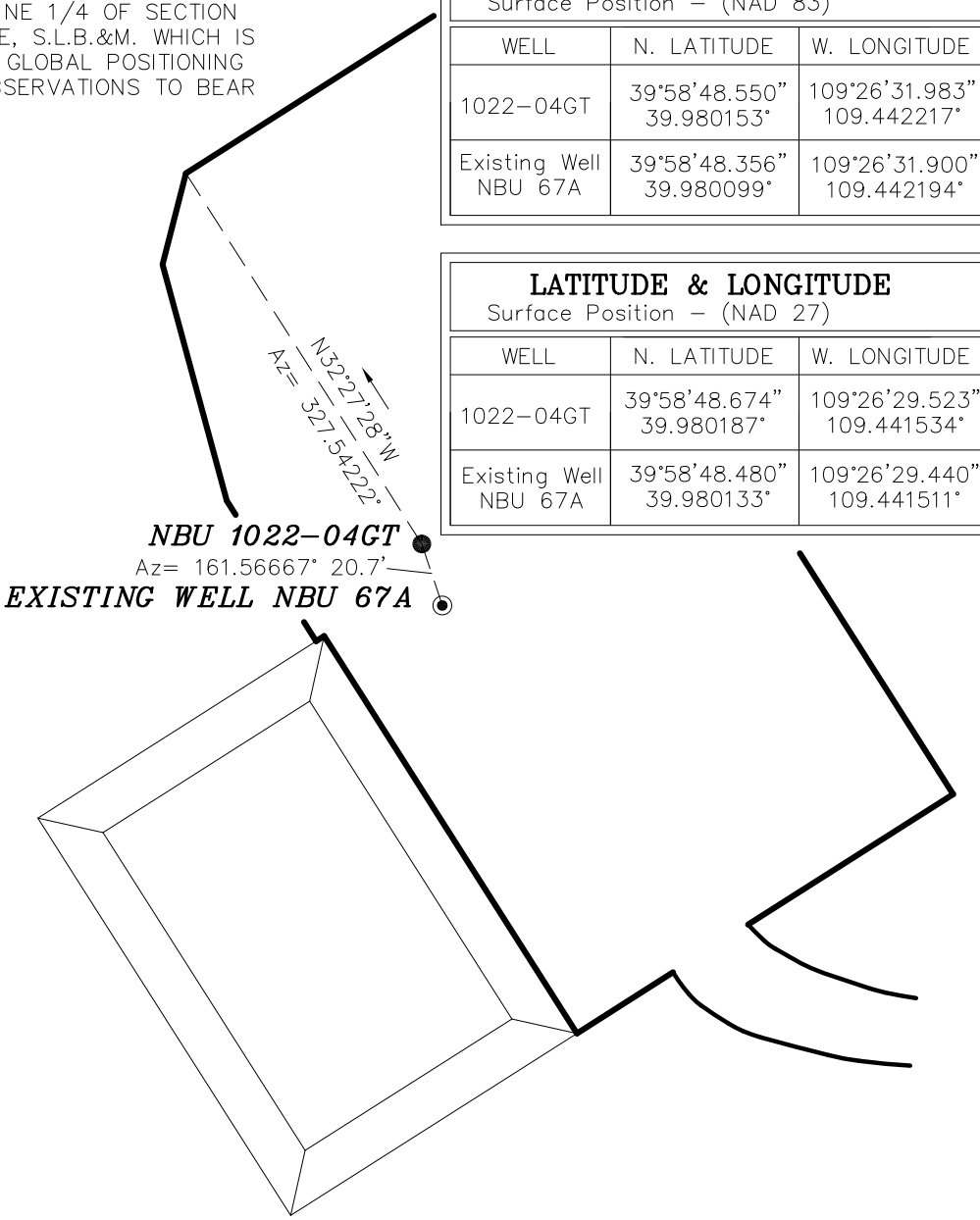
BASIS OF BEARINGS IS THE EAST LINE OF THE NE 1/4 OF SECTION 4, T10S, R22E, S.L.B.&M. WHICH IS TAKEN FROM GLOBAL POSITIONING SATELLITE OBSERVATIONS TO BEAR N00°35'35"W.

LATITUDE & LONGITUDE
Surface Position – (NAD 83)

WELL	N. LATITUDE	W. LONGITUDE
1022-04GT	39°58'48.550" 39.980153°	109°26'31.983" 109.442217°
Existing Well NBU 67A	39°58'48.356" 39.980099°	109°26'31.900" 109.442194°

LATITUDE & LONGITUDE
Surface Position – (NAD 27)

WELL	N. LATITUDE	W. LONGITUDE
1022-04GT	39°58'48.674" 39.980187°	109°26'29.523" 109.441534°
Existing Well NBU 67A	39°58'48.480" 39.980133°	109°26'29.440" 109.441511°



60' 30' 0' 60'

SCALE

SURFACE FOOTAGES:

NBU 1022-04GT
1863' FNL & 1882' FEL

NBU 67A (Existing Well Head)
1883' FNL & 1876' FEL

Kerr-McGee
Oil & Gas Onshore, LP
1099 18th Street – Denver, Colorado 80202

NBU 1022-04GT
LOCATED IN SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.

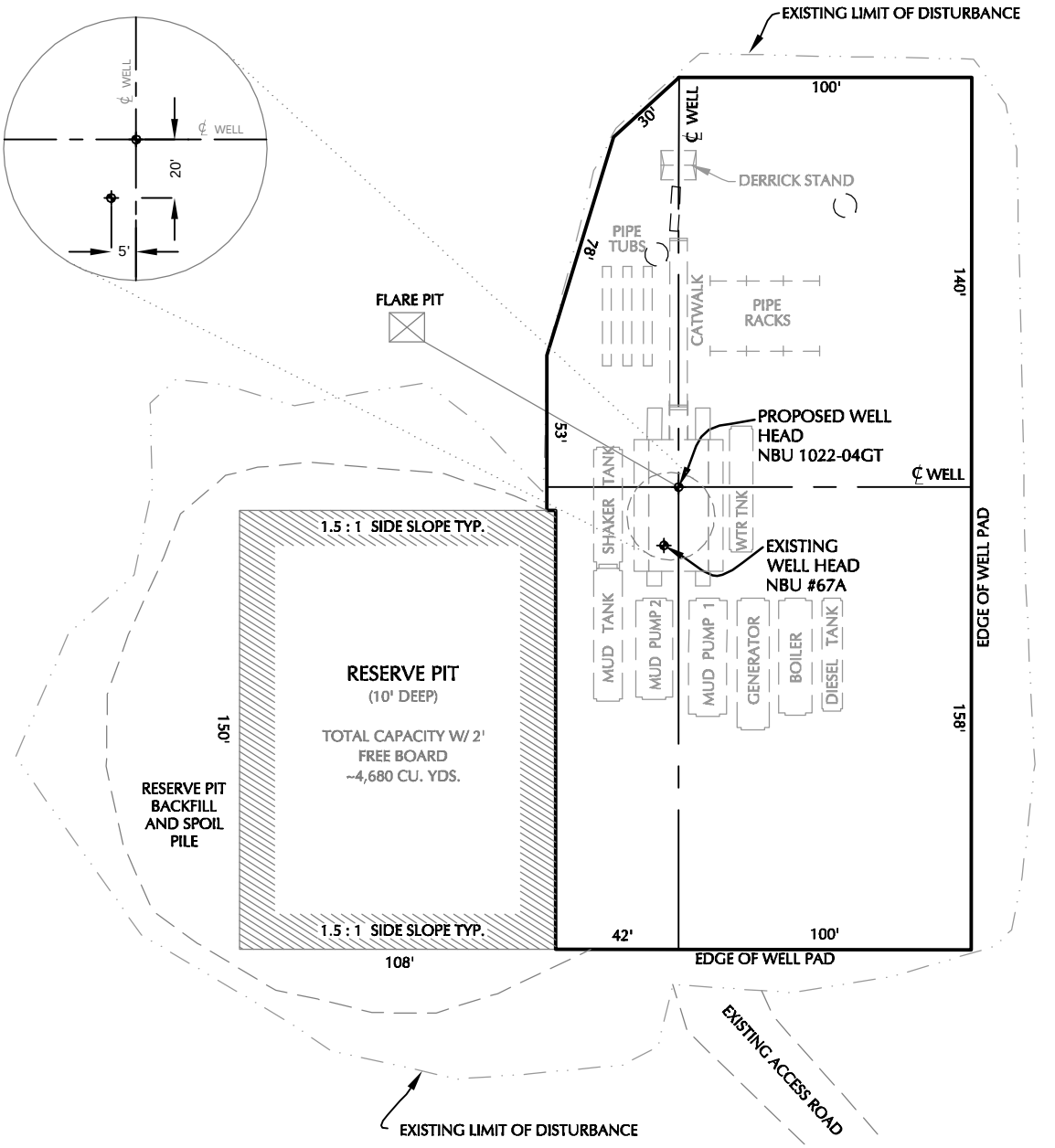
609 CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

DATE SURVEYED: 06-03-08	SURVEYED BY: B.J.S.
DATE DRAWN: 11-18-08	DRAWN BY: M.W.W.
	REVISED: 05-25-10 M.W.W.

Timberline Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078
(435) 789-1365

SHEET 2b OF 7

RECEIVED June 01, 2010



NOTES:

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238'
3. NBU 1022-04GT EXISTING GROUND ELEVATION = 5,062.5'

KERR-MCGEE OIL & GAS ONSHORE, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04GT
LOCATION LAYOUT
1,863' FNL - 1,882' FEL
SW1/4NE1/4, SEC. 4, T.10S.,R.22E.
S.L.B. & M., UINTAH COUNTY, UTAH

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Fax 307-674-0182

0 60 120
SCALE: 1" = 60'

Scale: 1"=60'	Date: 6/10/08	SHEET NO:
REVISED:	SEA 5/25/10	3 OF 7

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL: Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 6/21/2010	☐ ACIDIZE	✓ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore LP (Kerr-McGee) respectfully requests to change the surface casing size for this well from FROM: 9-5/8" TO: 8-5/8". Additionally, Kerr-McGee requests to change the cement program for this well due to a revised drilling procedure. The production casing will still be cemented it's entire length to the surface. Please see the attached drilling program for additional details. All other information remains the same. Please contact the undersigned with any questions and/or comments. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: June 15, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		6/14/2010

RECEIVED June 14, 2010

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP			DATE	June 14, 2010
WELL NAME	**NBU 1022-04GT**			TD	8,850' MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	FINISHED ELEVATION	5,063'
SURFACE LOCATION	SW/4 NE/4 1,863' FNL 1,882' FEL	Sec 4	T 10S	R 22E		BHL	Straight Hole
	Latitude: 39.980153	Longitude:	-109.442217		NAD 83		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde						
ADDITIONAL INFO	Regulatory Agencies: BLM (Minerals), BLM (Surface), UDOGM Tri-County Health Dept.						

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'	14"		
			11"	8-5/8", 28#, IJ-55, LTC	Air mist
All water flows encountered while drilling will be reported to the appropriate agencies.					
	Green River @	**1,215'**			
	Top of Birds Nest Water @	**1,499'**			
	Mahogany @	**1,977'**			
	Preset f/ GL @	**2,130' MD**			
	Note: 11" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the acutal depth of the loss zone.				
Mud logging program TBD Open hole logging program from TD - surf csg			7-7/8"	4-1/2" 11.6# I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-12.0 ppg
	Wasatch @	**4,349'**			
	Mverde @	**6,785'**			
	MVU2 @	**7,666'**			
	MVL1 @	**8,288'**			
	TD @	**8,850'**			Max anticipated Mud required 12.0 ppg

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL			WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'								
								3,390	1,880	348,000
SURFACE	8-5/8"	0	to	2130	28.00	IJ-55	LTC	0.95	1.89	5.78
								7,780	6,350	201,000
PRODUCTION	4-1/2"	0	to	8850	11.60	I-80	LTC	2.18	1.15	2.24

*Burst on suface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.53

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)

(Burst Assumptions: TD = 12.0 ppg) 0.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MASP 3,475 psi

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD

(Burst Assumptions: TD = 12.0 ppg) 0.61 psi/ft = bottomhole gradient

(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)

MABHP 5,422 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1			+ .25 pps flocele				
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	40		15.60	1.18
			+ 2% CaCl + .25 pps flocele				
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE			**NOTE: If well will circulate water to surface, option 2 will be utilized**				
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	140	35%	11.00	3.82
			+.25 pps Flocele + 3% salt BWOC				
	TAIL	500	Premium cmt + 2% CaCl	150	35%	15.60	1.18
			+ .25 pps flocele				
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,840'	Premium Lite II + 3% KCl + 0.25 pps	290	20%	11.00	3.38
			celloflake + 5 pps gilsonite + 10% gel				
			+ 0.5% extender				
	TAIL	5,010'	50/50 Poz/G + 10% salt + 2% gel	1,050	20%	14.30	1.31
			+ 0.1% R-3				

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililzed.

DRILLING ENGINEER: _____ **DATE:** _____

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____

John Merkel / Lovel Young

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

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FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

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Date: June 15, 2010

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danielle Piernot	720 929-6156	Regulatory Analyst
SIGNATURE		**DATE**
N/A		6/14/2010

RECEIVED June 14, 2010

KERR-McGEE OIL & GAS ONSHORE LP

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LOGS	FORMATION TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
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KERR-McGEE OIL & GAS ONSHORE LP

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DRILLING ENGINEER: _____ **DATE:** _____

John Huycke / Emile Goodwin

DRILLING SUPERINTENDENT: _____ **DATE:** _____

John Merkel / Lovel Young

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **KERR-McGEE OIL & GAS ONSHORE, L. P.**

Well Name: **NBU 1022-04GT**

Api No: **43-047-40191** Lease Type: **FEDERAL**

Section **04** Township **10S** Range **22E** County **UINTAH**

Drilling Contractor **PETE MARTIN DRLG** RIG # **BUCKET**

SPUDDED:

Date **06/16/2010**

Time **10:00 PM**

How **DRY**

Drilling will Commence:

Reported by **JAMES GOBER**

Telephone # **(435) 828-7024**

Date **06/17/2010** **Signed** **CHD**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP
Operator Account Number: N 2995
Address: P.O. Box 173779
city DENVER
state CO zip 80217
Phone Number: (720) 929-6100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740191	NBU 1022-4GT		SWNE	4	10S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	6/16/2010			7/15/10	

Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD
SPUD WELL LOCATION ON 6/16/2010 AT 10:00 HRS.

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	

Comments:

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

ANDY LYTLE
Name (Please Print)

Signature

REGULATORY ANALYST
Title

6/20/2010
Date

RECEIVED
JUN 22 2010
DIV. OF OIL, GAS & MINING

(5/2000)

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

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7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
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	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PROPETRO AIR RIG ON JUNE 27, 2010. DRILLED 11" SURFACE HOLE TO 2260'. RAN 8 5/8" 28# IJ-55 SURFACE CSG. PUMP 130 BBLS FRESH WATER. PUMP 20 BBLS GEL WATER. PUMP 225 SX TAIL CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. NO CIRC. DROP PLUG ON THE FLY, DISPLACED W/ 134 BBLS WATER. 50 PSI OF LIFT. BUMP PLUG & HOLD 620 PSI FOR 5 MIN. FLOAT HELD. PUMP 100 SX CLASS G PREM LITE @ 15.8 PPG, 1.15 YD. CEMENT FELL. WAITED TWO HRS & PUMPED 125 SX SAME CEMENT. CEMENT STAYED AT SURFACE. WORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
June 30, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 6/30/2010

RECEIVED June 30, 2010

API Well No: 43047401910000

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COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/1/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

FINISHED DRILLING FROM 2260' TO 8788' ON JULY 29, 2010. RAN 4 ½" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS SPACER, LEAD CEMENT W/ 460 SX CLASS G PREM LITE @ 12.6 PPG, 1.93 YD. TAILED CEMENT W/ 1025 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.31 YD. DISPLACED W/ 136 BBLS CLAYTREAT WATER, BUMPED PLUG, FLOATS HELD. FULL RETURNS THROUGHOUT JOB, 1 BBL LEAD BACK TO PIT, EST. TOP OF TAIL @ 3406'. RD CEMENTERS AND CLEANED PITS. RELEASED PIONEER RIG #69 ON AUGUST 1, 2010 @ 12:00 HRS.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 04, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/3/2010

API Well No: 43047401910000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 8/14/2010	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON AUGUST 14, 2010 AT 1:25 P.M. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
August 16, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 8/16/2010

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. UTU01191

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. UTU63047A

2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: ANDY LYTLE E-Mail: andrew.lytle@anadarko.com

8. Lease Name and Well No. NBU 1022-4GT

3. Address P.O. BOX 173779 DENVER, CO 80217

3a. Phone No. (include area code) Ph: 720-929-6100

9. API Well No. 43-047-40191

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface SWNE 1863FNL 1882FEL 39.98006 N Lat, 109.44214 W Lon

At top prod interval reported below SWNE 1863FNL 1882FEL 39.98006 N Lat, 109.44214 W Lon

At total depth SWNE ~~1863~~ 1901 FNL 1882 1890 FEL 39.98006 N Lat, 109.44214 W Lon

10. Field and Pool, or Exploratory NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 4 T10S R22E Mer SLB

12. County or Parish UINTAH

13. State UT

14. Date Spudded 06/16/2010

15. Date T.D. Reached 07/29/2010

16. Date Completed ☐ D & A ☒ Ready to Prod. 08/14/2010

17. Elevations (DF, KB, RT, GL)* 5069 GL

18. Total Depth: MD 8788 TVD 8786

19. Plug Back T.D.: MD 8735 TVD 8733

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
HDIL/ZDL/CN/GR BHV GR/CBL

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit analysis)

23. Casing and Liner Record *(Report all strings set in well)*

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
11.000	8.625 J55	28.0		2241		450			
7.875	4.500 I80	11.6		8781		1485			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8142							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	WASATCH	6082	6244	6082 TO 6244	0.360	24	OPEN
B)	MESAVERDE	6804	8647	6804 TO 8647	0.360	164	OPEN
C)							
D)							

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6082 TO 6244	PUMP 536 BBLS SLICK H20 & 24,755 LBS 30/50 SAND.
6804 TO 8647	PUMP 7,884 BBLS SLICK H20 & 302,595 LBS 30/50 SAND.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
08/14/2010	08/16/2010	24	→	0.0	3021.0	421.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
20/64	2250	3050.0	→	0	3021	421		PGW

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #93025 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED
OCT 13 2010
DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status

29. Disposition of Gas *(Sold, used for fuel, vented, etc.)*
SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1136				
BIRD'S NEST	1456				
MAHOGANY	1954				
WASATCH	4368	6336			
MESAVERDE	6826	8788	TD		

32. Additional remarks (include plugging procedure):
ATTACHED IS THE DRILLING/COMPLETION CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
7 Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #93025 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name *(please print)* ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 09/17/2010

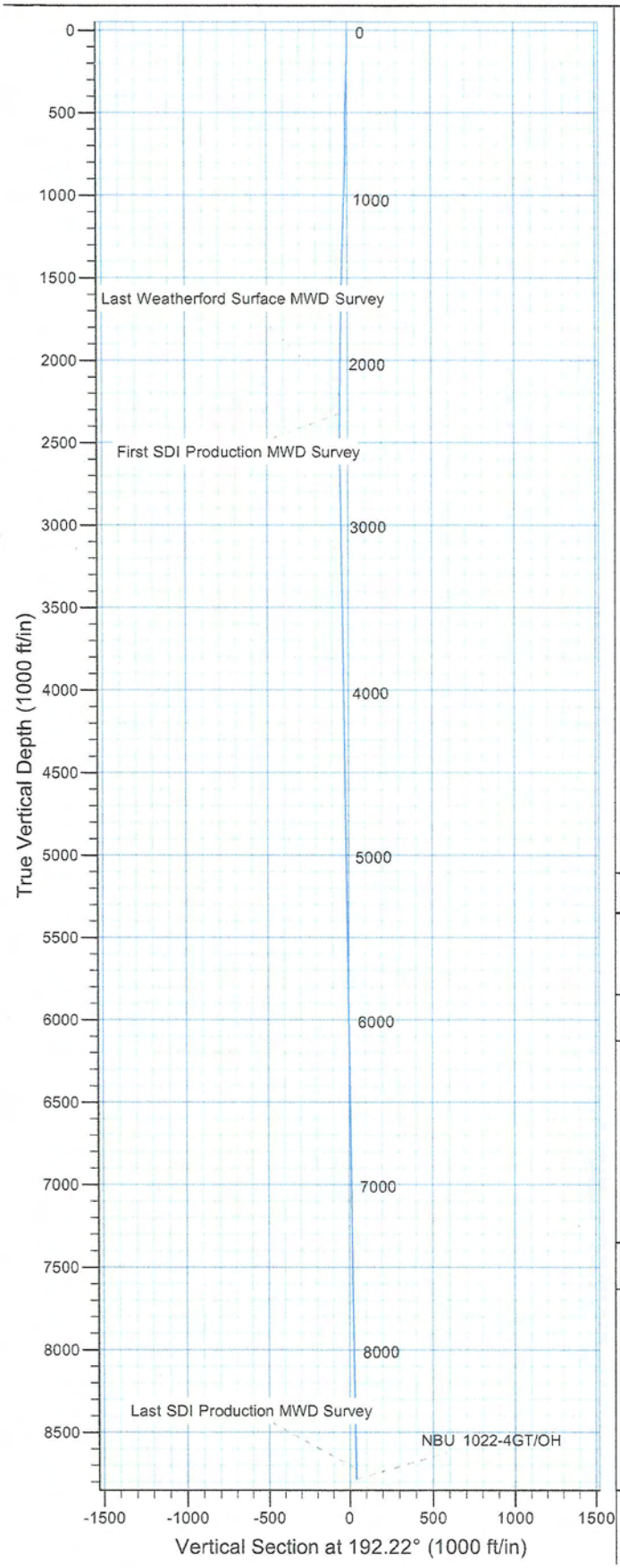
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction.

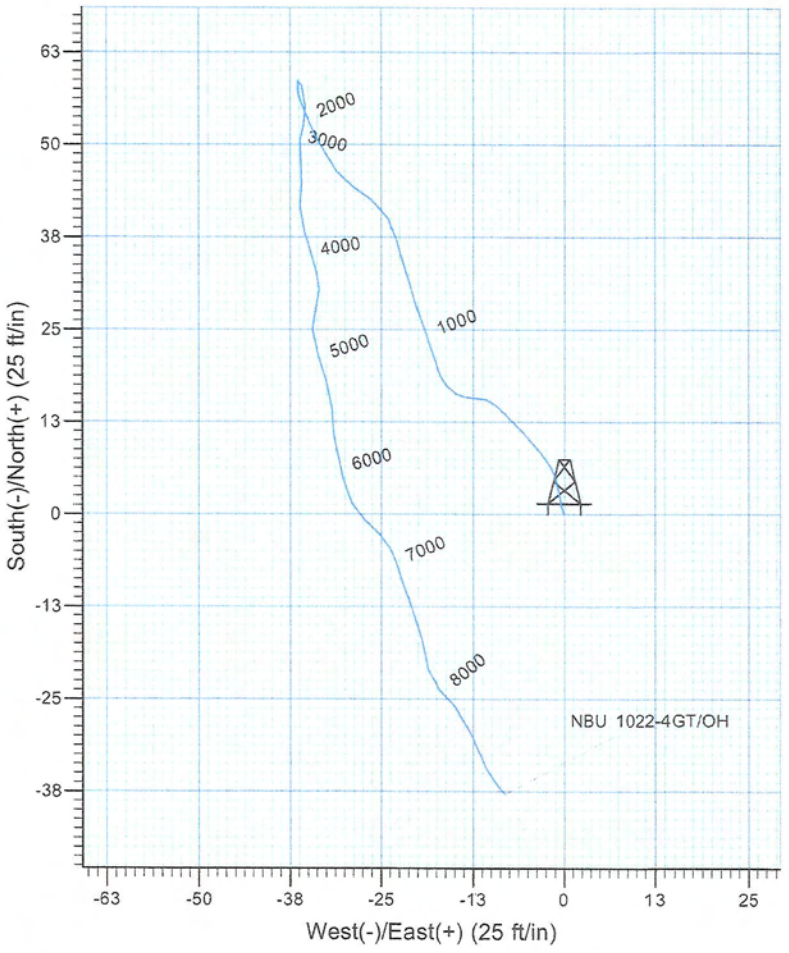
**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****

Scientific Drilling
Rocky Mountain Operations

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 1022-4GT
Well: NBU 1022-4GT
Wellbore: OH
Design: OH

Anadarko Petroleum Corporation





Well Details: NBU 1022-4GT

TVD Reference: GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69) Ground Level: 5069.00

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude	Slot
0.00	0.00	14522612.15	2077035.42	39° 58' 48.340 N	109° 26' 29.250 W	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well NBU 1022-4GT, True North
Vertical (TVD) Reference: GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Uintah County, UT UTM12

Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 - Western US
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)

System Datum: Mean Sea Level

Plan: OH

16:48, August 04 2010
Created By: Rex Hall

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12
NBU 1022-4GT
NBU 1022-4GT

OH

Design: OH

Standard Survey Report

04 August, 2010

Anadarko
Petroleum Corporation

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 1022-4GT
Project:	Uintah County, UT UTM12	**TVD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Site:	NBU 1022-4GT	**MD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Well:	NBU 1022-4GT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Rockies-R5000.1

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 1022-4GT, Sec 4 T10S R22E				
Site Position:		**Northing:**	14,522,612.16 usft	**Latitude:**	39° 58' 48.340 N
From:	Lat/Long	**Easting:**	2,077,035.42 usft	**Longitude:**	109° 26' 29.250 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.00 °

Well	NBU 1022-4GT, 1897' FNL & 1861' FEL					
Well Position	**+N/-S**	0.00 ft	**Northing:**	14,522,612.16 usft	**Latitude:**	39° 58' 48.340 N
	+E/-W	0.00 ft	**Easting:**	2,077,035.42 usft	**Longitude:**	109° 26' 29.250 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,069.00 ft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2010	7/15/2010	11.17	65.89	52,417

Design	OH					
Audit Notes:						
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**		14.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**		
	14.00	0.00	0.00	192.22		

Survey Program **Date** 8/4/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
91.00	2,199.00	Survey #1 - Weatherford Surface MWD (O	MWD	MWD - Standard
2,312.00	8,788.00	Survey #2 - Production MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
14.00	0.00	0.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00
91.00	0.54	325.70	91.00	0.30	-0.20	-0.25	0.70	0.70	0.00
First Weatherford Surface MWD Survey									
181.00	1.67	352.69	180.98	1.95	-0.61	-1.78	1.35	1.26	29.99
267.00	2.28	344.35	266.93	4.84	-1.23	-4.47	0.78	0.71	-9.70
355.00	3.00	318.83	354.84	8.26	-3.22	-7.39	1.55	0.82	-29.00
445.00	2.44	318.21	444.74	11.46	-6.05	-9.92	0.62	-0.62	-0.69
535.00	2.75	311.83	534.64	14.33	-8.93	-12.12	0.47	0.34	-7.09
625.00	1.14	261.89	624.60	15.64	-11.43	-12.87	2.44	-1.79	-55.49
715.00	1.83	285.08	714.57	15.89	-13.70	-12.63	1.00	0.77	25.77

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 1022-4GT
Project:	Uintah County, UT UTM12	**TVD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Site:	NBU 1022-4GT	**MD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Well:	NBU 1022-4GT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Rockies-R5000.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
805.00	1.94	317.21	804.52	17.38	-16.12	-13.58	1.16	0.12	35.70
895.00	2.38	346.21	894.46	20.32	-17.60	-16.13	1.29	0.49	32.22
985.00	2.75	339.09	984.37	24.15	-18.82	-19.62	0.54	0.41	-7.91
1,075.00	2.44	340.83	1,074.27	27.97	-20.22	-23.06	0.36	-0.34	1.93
1,165.00	1.94	346.33	1,164.21	31.26	-21.21	-26.07	0.60	-0.56	6.11
1,255.00	1.69	338.71	1,254.16	33.98	-22.05	-28.55	0.39	-0.28	-8.47
1,345.00	2.25	348.83	1,344.11	36.95	-22.87	-31.27	0.73	0.62	11.24
1,435.00	2.22	326.97	1,434.04	40.15	-24.17	-34.12	0.94	-0.03	-24.29
1,525.00	1.94	307.09	1,523.99	42.53	-26.33	-35.99	0.85	-0.31	-22.09
1,615.00	1.94	302.21	1,613.93	44.26	-28.84	-37.15	0.18	0.00	-5.42
1,705.00	2.06	323.59	1,703.88	46.37	-31.09	-38.74	0.83	0.13	23.76
1,795.00	2.00	331.21	1,793.82	49.05	-32.80	-41.00	0.31	-0.07	8.47
1,885.00	1.56	329.46	1,883.78	51.48	-34.18	-43.08	0.49	-0.49	-1.94
1,975.00	1.44	342.33	1,973.75	53.61	-35.15	-44.96	0.40	-0.13	14.30
2,065.00	1.13	330.09	2,063.73	55.46	-35.93	-46.60	0.46	-0.34	-13.60
2,155.00	0.81	357.09	2,153.71	56.86	-36.41	-47.87	0.61	-0.36	30.00
2,199.00	0.78	351.88	2,197.71	57.47	-36.47	-48.45	0.18	-0.07	-11.84
Last Weatherford Surface MWD Survey									
2,312.00	0.38	13.33	2,310.70	58.60	-36.49	-49.55	0.40	-0.35	18.98
First SDI Production MWD Survey									
2,531.00	0.67	163.65	2,529.70	58.07	-35.96	-49.15	0.46	0.13	68.64
2,722.00	1.13	174.43	2,720.68	55.13	-35.46	-46.38	0.26	0.24	5.64
2,915.00	0.50	212.55	2,913.66	52.52	-35.73	-43.77	0.41	-0.33	19.75
3,104.00	0.76	180.29	3,102.65	50.58	-36.18	-41.78	0.23	0.14	-17.07
3,293.00	1.14	175.77	3,291.62	47.45	-36.05	-38.75	0.20	0.20	-2.39
3,482.00	0.48	184.35	3,480.60	44.78	-35.97	-36.16	0.35	-0.35	4.54
3,671.00	1.48	182.80	3,669.57	41.56	-36.15	-32.97	0.53	0.53	-0.82
3,860.00	0.75	144.48	3,858.54	38.11	-35.55	-29.73	0.53	-0.39	-20.28
4,017.00	1.22	172.32	4,015.51	35.62	-34.73	-27.46	0.42	0.30	17.73
4,203.00	0.55	145.54	4,201.49	32.92	-33.96	-24.99	0.41	-0.36	-14.40
4,393.00	1.07	182.05	4,391.47	30.40	-33.51	-22.62	0.37	0.27	19.22
4,582.00	0.61	208.46	4,580.45	27.75	-34.05	-19.91	0.31	-0.24	13.97
4,802.00	0.88	175.06	4,800.43	25.03	-34.46	-17.18	0.23	0.12	-15.18
4,991.00	1.09	161.07	4,989.41	21.89	-33.75	-14.25	0.17	0.11	-7.40
5,181.00	0.36	172.52	5,179.39	19.59	-33.09	-12.14	0.39	-0.38	6.03
5,372.00	0.69	154.87	5,370.38	17.95	-32.52	-10.66	0.19	0.17	-9.24
5,588.00	1.31	176.04	5,586.35	14.31	-31.80	-7.26	0.33	0.29	9.80
5,750.00	1.18	174.93	5,748.31	10.80	-31.53	-3.89	0.08	-0.08	-0.69
5,940.00	0.85	158.49	5,938.28	7.54	-30.84	-0.85	0.23	-0.17	-8.65
6,129.00	0.93	176.34	6,127.26	4.71	-30.22	1.80	0.15	0.04	9.44
6,317.00	1.17	147.51	6,315.23	1.56	-29.10	4.63	0.30	0.13	-15.34
6,507.00	0.65	133.07	6,505.20	-0.81	-27.27	6.56	0.30	-0.27	-7.60
6,696.00	1.01	133.04	6,694.18	-2.68	-25.27	7.96	0.19	0.19	-0.02

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 1022-4GT
Project:	Uintah County, UT UTM12	**TVD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Site:	NBU 1022-4GT	**MD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Well:	NBU 1022-4GT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Rockies-R5000.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,885.00	0.54	160.82	6,883.17	-4.65	-23.76	9.58	0.31	-0.25	14.70
7,075.00	1.08	156.74	7,073.15	-7.15	-22.75	11.80	0.29	0.28	-2.15
7,263.00	0.75	172.36	7,261.12	-9.99	-21.89	14.40	0.22	-0.18	8.31
7,452.00	1.47	153.03	7,450.09	-13.38	-20.63	17.44	0.42	0.38	-10.23
7,641.00	0.98	177.82	7,639.04	-17.16	-19.47	20.89	0.38	-0.26	13.12
7,830.00	1.31	160.86	7,828.01	-20.81	-18.70	24.30	0.25	0.17	-8.97
8,018.00	0.81	138.28	8,015.97	-23.83	-17.11	26.91	0.34	-0.27	-12.01
8,208.00	1.02	134.21	8,205.95	-26.01	-15.00	28.60	0.12	0.11	-2.14
8,396.00	1.53	159.51	8,393.90	-29.53	-12.92	31.60	0.40	0.27	13.46
8,585.00	1.64	151.83	8,582.83	-34.28	-10.76	35.78	0.13	0.06	-4.06
8,710.00	1.07	138.78	8,707.80	-36.74	-9.15	37.84	0.52	-0.46	-10.44
Last SDI Production MWD Survey									
8,788.00	1.07	138.78	8,785.78	-37.83	-8.19	38.71	0.00	0.00	0.00
Projection To TD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NBU 1022-4GT PBHL	0.00	0.00	8,774.00	0.00	0.00	14,522,612.16	2,077,035.42	39° 58' 48.340 N	109° 26' 29.250 W
- actual wellpath misses target center by 38.57ft at 8775.79ft MD (8773.57 TVD, -37.66 N, -8.34 E)									
- Circle (radius 25.00)									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
91.00	91.00	0.30	-0.20	First Weatherford Surface MWD Survey
2,199.00	2,197.71	57.47	-36.47	Last Weatherford Surface MWD Survey
2,312.00	2,310.70	58.60	-36.49	First SDI Production MWD Survey
8,710.00	8,707.80	-36.74	-9.15	Last SDI Production MWD Survey
8,788.00	8,785.78	-37.83	-8.19	Projection To TD

Checked By: _____ Approved By: _____ Date: _____

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12
NBU 1022-4GT
NBU 1022-4GT

OH

Design: OH

Survey Report - Geographic

04 August, 2010

Anadarko
Petroleum Corporation

Scientific Drilling
Rocky Mountain Operations

Scientific Drilling International

Survey Report - Geographic

Anadarko Petroleum Corporation

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 1022-4GT
Project:	Uintah County, UT UTM12	**TVD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Site:	NBU 1022-4GT	**MD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Well:	NBU 1022-4GT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Rockies-R5000.1

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 1022-4GT, Sec 4 T10S R22E				
Site Position:		**Northing:**	14,522,612.16 usft	**Latitude:**	39° 58' 48.340 N
From:	Lat/Long	**Easting:**	2,077,035.42 usft	**Longitude:**	109° 26' 29.250 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	13.200 in	**Grid Convergence:**	1.00 °

Well	NBU 1022-4GT, 1897' FNL & 1861' FEL					
Well Position	**+N/-S**	0.00 ft	**Northing:**	14,522,612.16 usft	**Latitude:**	39° 58' 48.340 N
	+E/-W	0.00 ft	**Easting:**	2,077,035.42 usft	**Longitude:**	109° 26' 29.250 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,069.00 ft

Wellbore OH

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/15/2010	11.17	65.89	52,417

Design OH

Audit Notes:

Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	14.00

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	14.00	0.00	0.00	192.22

Survey Program **Date** 8/4/2010

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
91.00	2,199.00	Survey #1 - Weatherford Surface MWD (O	MWD	MWD - Standard
2,312.00	8,788.00	Survey #2 - Production MWD (OH)	MWD SDI	MWD - Standard ver 1.0.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
14.00	0.00	0.00	14.00	0.00	0.00	14,522,612.16	2,077,035.42	39° 58' 48.340 N	109° 26' 29.250 W
91.00	0.54	325.70	91.00	0.30	-0.20	14,522,612.45	2,077,035.21	39° 58' 48.343 N	109° 26' 29.253 W
First Weatherford Surface MWD Survey									
181.00	1.67	352.69	180.98	1.95	-0.61	14,522,614.10	2,077,034.77	39° 58' 48.359 N	109° 26' 29.258 W
267.00	2.28	344.35	266.93	4.84	-1.23	14,522,616.98	2,077,034.10	39° 58' 48.388 N	109° 26' 29.266 W
355.00	3.00	318.83	354.84	8.26	-3.22	14,522,620.36	2,077,032.05	39° 58' 48.422 N	109° 26' 29.291 W
445.00	2.44	318.21	444.74	11.46	-6.05	14,522,623.51	2,077,029.17	39° 58' 48.453 N	109° 26' 29.328 W
535.00	2.75	311.83	534.64	14.33	-8.93	14,522,626.33	2,077,026.23	39° 58' 48.482 N	109° 26' 29.365 W
625.00	1.14	261.89	624.60	15.64	-11.43	14,522,627.60	2,077,023.72	39° 58' 48.495 N	109° 26' 29.397 W
715.00	1.83	285.08	714.57	15.89	-13.70	14,522,627.81	2,077,021.44	39° 58' 48.497 N	109° 26' 29.426 W
805.00	1.94	317.21	804.52	17.38	-16.12	14,522,629.26	2,077,018.99	39° 58' 48.512 N	109° 26' 29.457 W

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 1022-4GT
Project:	Uintah County, UT UTM12	**TVD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Site:	NBU 1022-4GT	**MD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Well:	NBU 1022-4GT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Rockies-R5000.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
895.00	2.38	346.21	894.46	20.32	-17.60	14,522,632.16	2,077,017.46	39° 58' 48.541 N	109° 26' 29.476 W
985.00	2.75	339.09	984.37	24.15	-18.82	14,522,635.97	2,077,016.18	39° 58' 48.579 N	109° 26' 29.492 W
1,075.00	2.44	340.83	1,074.27	27.97	-20.22	14,522,639.77	2,077,014.71	39° 58' 48.617 N	109° 26' 29.510 W
1,165.00	1.94	346.33	1,164.21	31.26	-21.21	14,522,643.04	2,077,013.66	39° 58' 48.649 N	109° 26' 29.522 W
1,255.00	1.69	338.71	1,254.16	33.98	-22.05	14,522,645.75	2,077,012.77	39° 58' 48.676 N	109° 26' 29.533 W
1,345.00	2.25	348.83	1,344.11	36.95	-22.87	14,522,648.70	2,077,011.90	39° 58' 48.705 N	109° 26' 29.544 W
1,435.00	2.22	326.97	1,434.04	40.15	-24.17	14,522,651.87	2,077,010.55	39° 58' 48.737 N	109° 26' 29.560 W
1,525.00	1.94	307.09	1,523.99	42.53	-26.33	14,522,654.21	2,077,008.34	39° 58' 48.760 N	109° 26' 29.588 W
1,615.00	1.94	302.21	1,613.93	44.26	-28.84	14,522,655.90	2,077,005.81	39° 58' 48.777 N	109° 26' 29.620 W
1,705.00	2.06	323.59	1,703.88	46.37	-31.09	14,522,657.98	2,077,003.52	39° 58' 48.798 N	109° 26' 29.649 W
1,795.00	2.00	331.21	1,793.82	49.05	-32.80	14,522,660.62	2,077,001.76	39° 58' 48.825 N	109° 26' 29.671 W
1,885.00	1.56	329.46	1,883.78	51.48	-34.18	14,522,663.03	2,077,000.34	39° 58' 48.849 N	109° 26' 29.689 W
1,975.00	1.44	342.33	1,973.75	53.61	-35.15	14,522,665.15	2,076,999.34	39° 58' 48.870 N	109° 26' 29.702 W
2,065.00	1.13	330.09	2,063.73	55.46	-35.93	14,522,666.98	2,076,998.52	39° 58' 48.888 N	109° 26' 29.712 W
2,155.00	0.81	357.09	2,153.71	56.86	-36.41	14,522,668.37	2,076,998.02	39° 58' 48.902 N	109° 26' 29.718 W
2,199.00	0.78	351.88	2,197.71	57.47	-36.47	14,522,668.98	2,076,997.95	39° 58' 48.908 N	109° 26' 29.719 W
Last Weatherford Surface MWD Survey									
2,312.00	0.38	13.33	2,310.70	58.60	-36.49	14,522,670.11	2,076,997.91	39° 58' 48.919 N	109° 26' 29.719 W
First SDI Production MWD Survey									
2,531.00	0.67	163.65	2,529.70	58.07	-35.96	14,522,669.59	2,076,998.45	39° 58' 48.914 N	109° 26' 29.712 W
2,722.00	1.13	174.43	2,720.68	55.13	-35.46	14,522,666.66	2,076,998.99	39° 58' 48.885 N	109° 26' 29.706 W
2,915.00	0.50	212.55	2,913.66	52.52	-35.73	14,522,664.05	2,076,998.77	39° 58' 48.859 N	109° 26' 29.709 W
3,104.00	0.76	180.29	3,102.65	50.58	-36.18	14,522,662.09	2,076,998.36	39° 58' 48.840 N	109° 26' 29.715 W
3,293.00	1.14	175.77	3,291.62	47.45	-36.05	14,522,658.97	2,076,998.54	39° 58' 48.809 N	109° 26' 29.713 W
3,482.00	0.48	184.35	3,480.60	44.78	-35.97	14,522,656.30	2,076,998.67	39° 58' 48.783 N	109° 26' 29.712 W
3,671.00	1.48	182.80	3,669.57	41.56	-36.15	14,522,653.07	2,076,998.55	39° 58' 48.751 N	109° 26' 29.714 W
3,860.00	0.75	144.48	3,858.54	38.11	-35.55	14,522,649.64	2,076,999.21	39° 58' 48.717 N	109° 26' 29.707 W
4,017.00	1.22	172.32	4,015.51	35.62	-34.73	14,522,647.16	2,077,000.07	39° 58' 48.692 N	109° 26' 29.696 W
4,203.00	0.55	145.54	4,201.49	32.92	-33.96	14,522,644.48	2,077,000.89	39° 58' 48.665 N	109° 26' 29.686 W
4,393.00	1.07	182.05	4,391.47	30.40	-33.51	14,522,641.96	2,077,001.38	39° 58' 48.640 N	109° 26' 29.680 W
4,582.00	0.61	208.46	4,580.45	27.75	-34.05	14,522,639.30	2,077,000.89	39° 58' 48.614 N	109° 26' 29.687 W
4,802.00	0.88	175.06	4,800.43	25.03	-34.46	14,522,636.58	2,077,000.52	39° 58' 48.587 N	109° 26' 29.693 W
4,991.00	1.09	161.07	4,989.41	21.89	-33.75	14,522,633.45	2,077,001.28	39° 58' 48.556 N	109° 26' 29.684 W
5,181.00	0.36	172.52	5,179.39	19.59	-33.09	14,522,631.16	2,077,001.99	39° 58' 48.534 N	109° 26' 29.675 W
5,372.00	0.69	154.87	5,370.38	17.95	-32.52	14,522,629.54	2,077,002.58	39° 58' 48.517 N	109° 26' 29.668 W
5,588.00	1.31	176.04	5,586.35	14.31	-31.80	14,522,625.91	2,077,003.37	39° 58' 48.481 N	109° 26' 29.659 W
5,750.00	1.18	174.93	5,748.31	10.80	-31.53	14,522,622.40	2,077,003.71	39° 58' 48.447 N	109° 26' 29.655 W
5,940.00	0.85	158.49	5,938.28	7.54	-30.84	14,522,619.16	2,077,004.45	39° 58' 48.415 N	109° 26' 29.646 W
6,129.00	0.93	176.34	6,127.26	4.71	-30.22	14,522,616.33	2,077,005.11	39° 58' 48.387 N	109° 26' 29.638 W
6,317.00	1.17	147.51	6,315.23	1.56	-29.10	14,522,613.21	2,077,006.30	39° 58' 48.355 N	109° 26' 29.624 W
6,507.00	0.65	133.07	6,505.20	-0.81	-27.27	14,522,610.87	2,077,008.17	39° 58' 48.332 N	109° 26' 29.600 W
6,696.00	1.01	133.04	6,694.18	-2.68	-25.27	14,522,609.04	2,077,010.20	39° 58' 48.314 N	109° 26' 29.575 W
6,885.00	0.54	160.82	6,883.17	-4.65	-23.76	14,522,607.09	2,077,011.75	39° 58' 48.294 N	109° 26' 29.555 W
7,075.00	1.08	156.74	7,073.15	-7.15	-22.75	14,522,604.61	2,077,012.79	39° 58' 48.269 N	109° 26' 29.542 W
7,263.00	0.75	172.36	7,261.12	-9.99	-21.89	14,522,601.78	2,077,013.70	39° 58' 48.241 N	109° 26' 29.531 W
7,452.00	1.47	153.03	7,450.09	-13.38	-20.63	14,522,598.42	2,077,015.03	39° 58' 48.208 N	109° 26' 29.515 W
7,641.00	0.98	177.82	7,639.04	-17.16	-19.47	14,522,594.66	2,077,016.25	39° 58' 48.170 N	109° 26' 29.500 W
7,830.00	1.31	160.86	7,828.01	-20.81	-18.70	14,522,591.02	2,077,017.09	39° 58' 48.134 N	109° 26' 29.490 W
8,018.00	0.81	138.28	8,015.97	-23.83	-17.11	14,522,588.03	2,077,018.73	39° 58' 48.104 N	109° 26' 29.470 W
8,208.00	1.02	134.21	8,205.95	-26.01	-15.00	14,522,585.88	2,077,020.87	39° 58' 48.083 N	109° 26' 29.443 W
8,396.00	1.53	159.51	8,393.90	-29.53	-12.92	14,522,582.40	2,077,023.01	39° 58' 48.048 N	109° 26' 29.416 W
8,585.00	1.64	151.83	8,582.83	-34.28	-10.76	14,522,577.69	2,077,025.25	39° 58' 48.001 N	109° 26' 29.388 W
8,710.00	1.07	138.78	8,707.80	-36.74	-9.15	14,522,575.27	2,077,026.91	39° 58' 47.977 N	109° 26' 29.368 W
Last SDI Production MWD Survey									

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 1022-4GT
Project:	Uintah County, UT UTM12	**TVD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Site:	NBU 1022-4GT	**MD Reference:**	GL 5069' & RKB 18' @ 5087.00ft (Pioneer 69)
Well:	NBU 1022-4GT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	Rockies-R5000.1

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
8,788.00	1.07	138.78	8,785.78	-37.83	-8.19	14,522,574.19	2,077,027.89	39° 58' 47.966 N	109° 26' 29.355 W
Projection To TD									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NBU 1022-4GT PBHL	0.00	0.00	8,774.00	0.00	0.00	14,522,612.16	2,077,035.42	39° 58' 48.340 N	109° 26' 29.250 W
- actual wellpath misses target center by 38.57ft at 8775.79ft MD (8773.57 TVD, -37.66 N, -8.34 E)									
- Circle (radius 25.00)									

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	Local Coordinates +E/-W (ft)	Comment
91.00	91.00	0.30	-0.20	First Weatherford Surface MWD Survey
2,199.00	2,197.71	57.47	-36.47	Last Weatherford Surface MWD Survey
2,312.00	2,310.70	58.60	-36.49	First SDI Production MWD Survey
8,710.00	8,707.80	-36.74	-9.15	Last SDI Production MWD Survey
8,788.00	8,785.78	-37.83	-8.19	Projection To TD

Checked By: _____ Approved By: _____ Date: _____

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/12/2009		End Date: 8/1/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/27/2010	5:30 - 11:30	6.00	MIRU	01	B	P		MOVE ONTO LOCATION. CLEAN CONDUCTOR PILES UP AROUND WELL HEAD. DRESS TOP OF CONDUCTOR. INSTALL DIVERTER HEAD AND BOWIE LINE. BUILD DITCH. MOVE RIG OVER HOLE AND RIG UP. RIG UP AND PRIME PIT PUMP AND MUD PUMP. SET CATWALK AND PIPE RACKS. P/U
	11:30 - 13:00	1.50	PRPSPD	06	A	P		P/U 1.50 DEG BENT HOUSE MOTOR SN 775-77294. 7/8 LOBE .16 RPG WHILE MAKING UP BIT. NOTICED LOOSE CONNECTION ON MANDREL. TIGHTENED CONNECTION. HAD A FEW ISSUES MAKING UP BIT. M/U Q507F SN 7020022 W/ 7-18'S. INSTALL RUBBER.
	13:00 - 15:00	2.00	DRLSUR	02	B	P		SPUD 6/27/2010 13:00 DRILL 44'- 150'.
	15:00 - 17:00	2.00	DRLSUR	06	A	P		LD 6" DC'S. P/U DIR. TOOLS.
	17:00 - 0:00	7.00	DRLSUR	02	D	P		DRILL/SLIDE 150-800' (650', 93'/HR) BUILD ANGLE TO 2 DEG @ 2 DEG.BUILD RATE TO 318 DEG AZIMITH. WOB=20K, GPM = 550, ROT= 50, UP/DOWN/ROT 58/55/56. DRAG= 2K.. ON/OFF PSI = 1000/1200. CIRC RESERVE PIT. 8.3 WT 27 VIS. PARTIAL RETURNS, DRLG W/ AIRIATED WATER.
6/28/2010	0:00 - 18:00	18.00	DRLSUR	02	C	P		DRILL/SLIDE 800'-2260' (1430", 79'/HR) BUILD ANGLE TO 2 DEG @ 2 DEG.BUILD RATE TO 318 DEG AZIMITH. WOB=20K, GPM = 550, ROT= 50, UP/DOWN/ROT 68/65/66. DRAG= 2K.. ON/OFF PSI = 1000/1200. CIRC RESERVE PIT. 8.3 WT 27 VIS. PARTIAL RETURNS, DRLG W/ AIRIATED WATER
	18:00 - 19:30	1.50	DRLSUR	05	C	P		CIRC AND COND HOLE CLEAN
	19:30 - 20:30	1.00	DRLSUR	06	A	P		TOOH, LDDS,
	20:30 - 21:00	0.50	DRLSUR	05	A	S		WELL STARTED FLOWING PRETTY GOOD, CIRCULATE OUT GAS,
	21:00 - 22:30	1.50	DRLSUR	06	E	S		TIH TO BOTTOM WHERE GAS ZONE WAS
	22:30 - 23:00	0.50	DRLSUR	05	A	S		CIRC OUT GAS WHILE WAITING ON TRUCK W/ MUD, ENDED UP SPOTTING 60 BBLS OF 12.# MUD @ 2255'
	23:00 - 0:00	1.00	DRLSUR	06	A	P		TOOH, LDDS AND DIR BHA, SPOTTED 40 BBLS 12# MUD @ 450'
6/29/2010	0:00 - 3:00	3.00	DRLSUR	06	A	P		LDDS AND DIR BHA
	3:00 - 7:30	4.50	CSG	12	C	P		HELD SAFETY MEETING, RIG UP TO RUN CSG. RAN 50 JTS OF 8-5/8", 28#, IJ-55 CSG W/ LTC THREADS. LANDED FLOAT SHOE @ 2227.50'KB. RAN BAFFLE PLATE IN TOP OF SHOE JT LANDED 2181.50' KB. FILL CSG @ 500', 1500', AND 2200'.
	7:30 - 8:00	0.50	DRLSUR	01	E	P		RIG DOWN RIG, RELEASE 6/29/2010 08:00

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/12/2009	End Date: 8/1/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:00 - 11:30	3.50	CSG	12	E	P		HOLD SAFETY MEETING. INSTALL CEMENT HEAD. PSI TEST TO 2000 PSI. PUMP 130 BBLS OF 8.3# H20 AHEAD. NO CIRC. PUMP 20 BBLS OF 8.4# GEL WATER AHEAD. NO CIRC. PUMP 225 SX (30 BBLS) OF 15.8# (2 % CALC, 1/4# /SK OF FLOCELE). NO CIRC. DROP PLUG ON FLY AND DISPLACE W/134 BBLS OF 8.3# H20. NO RETURNS. 50 PSI OF LIFT. BUMP PLUG AND HOLD 620 PSI FOR 5 MIN. FLOAT HELD. PUMP 100 SX (25.6 BBLS) OF 15.8# (4 % CALC, 1/4# /SK OF FLOCELE). CEMENT FELL, WAITED TWO HRS AND PUNPED125 SX, CMT STAYED AT SURFACE RIG DOWN CEMENTERS AND RELEASE CEMENTERS 11:30 HRS. CONDUCTOR CASING: Cond. Depth set: 40' Cement sx used: 28 SPUD DATE/TIME: 6/27/2010 15:00 SURFACE HOLE: Surface From depth: 40' Surface To depth: 2260' Total SURFACE hours: 27.00 Surface Casing size: 8.625" # of casing joints ran: 50 Casing set MD: 2227.50" # sx of cement: 450 Cement blend (ppg:) 15.8 Cement yield (ft3/sk): 1.15 # of bbls to surface: 0 Describe cement issues: LOST CIRC, CMT STAYED AT SURFACE Describe hole issues: HAD SOME GAS WHILE LDDS, SPOTTED 60 BBL @ 2255' AND 40 BBL @ 450', LOST TOTAL @ 1500' CIRC.
7/22/2010	22:00 - 0:00	2.00	RDMO	01	E	P		RDRT, PREPARE RIG FOR MOVE
7/23/2010	0:00 - 6:00	6.00	RDMO	01	E	P		RDRT ,PREPARE RIG F/ MOVE
	6:00 - 11:30	5.50	RDMO	01	F	P		SAFETY MEETING W/ RIG CREW ,WEST ROC,J&C CRANE & MOUNTAIN WEST, SCOPE DOWN DERRICK W/ CRANE ASSIST & LOWER ,SCOPE DOWN SUB & LOAD OUT TRUCKS ,8 BED ,8 HAUL TRUCKS 2-FORKLIFTS & CRANE ON LOACATION @ 06:00
	11:30 - 18:00	6.50	MIRU	01	B	P		SET IN SUB , CARRIER & ALL BUILDINGS,RIG UP ELECTRIC,AIR, WATER,FUEL RAISE SUB & DERRICK,TRUCKS RELEASED @ 1500,CRANE @ 1700
	18:00 - 20:30	2.50	MIRU	01	B	P		RURT,MAGNA FLUX DRUM & SWIVEL
	20:30 - 0:00	3.50	MIRU	01	B	P		RURT,RIG UP FLOOR ,PUMPS,PITS,FLARE LINES,GAS BUSTER
7/24/2010	0:00 - 8:30	8.50	MIRU	01	B	P		RIG UP PUMPS,PITS, FLARE LINES, BUSTER & MISC, P/U KELLY, INSTALL KELLY SPINNERS
	8:30 - 11:30	3.00	MIRU	09	A	P		CHANGE OUT DRILLING LINE,SLIP ON NEW SPOOL
	11:30 - 14:00	2.50	MIRU	14	A	P		NIPPLE UP BOPS

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/12/2009		End Date: 8/1/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:00 - 18:00	4.00	MIRU	15	A	P		SAFETY MEETING W/ B&C QUICK TEST, R/U & TEST UPPER & LOWWER KELLY VALVES & FLOOR VALVES, PIPE RAMS ,BLIND RAMS,INNER & OUTER KILL LINE ,CHOKE & HCR VALVES ,CHOKE MANIFOLD TO 250 PSI F/ 5 MIN & 5000 PSI F/ 10 MIN, ANNULAR TO 250 PSI F/ 5 MIN 500 PSI F/ 10 MIN, CASING TO 1500 PSI F/ 30 MIN
	18:00 - 19:00	1.00	MIRU	14	B	P		INSTALL WEAR RING, STRAP DRILLSTRING
	19:00 - 23:30	4.50	PRPSPD	06	A	P		SAFETY MEETING W/ KIMZEY , R/U & P/U R/R TRICONE BIT,MOTOR,BHA & 51 JTS DP, TAG 2165'
	23:30 - 0:00	0.50	PRPSPD	24	A	P		INSTALL DRILLING RUBBER & DRIVE BUSHINGS, PREPARE RIG F/ SPUD
7/25/2010	0:00 - 1:00	1.00	PRPSPD	23		P		INSTALL DRILLING RUBBER & DRIVE BUSHINGS, SECURE STACK, PRESPUD INSPECTION
	1:00 - 3:30	2.50	DRLPRO	02	F	P		DRILL CEMENT ,F.E. & OPEN HOLE F/ 2165' TO 2274'
	3:30 - 4:30	1.00	DRLPRO	02	B	P		SPUD 03:30 7/25/2010 ,DRILL F/ 2274' TO 2334' (60' @ 60' HR)
	4:30 - 5:00	0.50	DRLPRO	05	C	P		CIRC BTMS UP
	5:00 - 7:30	2.50	DRLPRO	06	A	P		TOOH L/D TRICONE BIT & BIT SUB
	7:30 - 11:00	3.50	DRLPRO	06	A	P		P/U Q506F & DIRECTIONAL TOOLS SCRIBE ,TIH
	11:00 - 14:30	3.50	DRLPRO	02	B	P		DRILL F/ 2334' TO 2675' (341' @ 97.4' HR) WOB 15-18 ,RPM 60 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 90-74-82, ON/OFF 855-1080 ,DIFF 200-350 ,WATER W/ GEL & POLY SWEEPS
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 18:00	3.00	DRLPRO	02	B	P		DRILL F/ 2675' TO 2970' (295' @ 98.3' HR) WOB 15-18, RPM 60 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 95-80-87,ON/OFF 880-1100,DIFF 200-380 , WATER W/ GEL & POLY SWEEPS, (SLIDE 2781' TO 2791')
	18:00 - 18:30	0.50	DRLPRO	08	A	Z		RIG REPAIR (WORK ON KELLY SPINNERS)
	18:30 - 19:30	1.00	DRLPRO	02	B	P		DRILL F/ 2970' TO 3033' (63' @ 63' HR)
	19:30 - 20:00	0.50	DRLPRO	08	A	Z		RIG REPAIR (WORK ON KELLY SPINNERS)
	20:00 - 0:00	4.00	DRLPRO	02	B	P		DRILL F/ 3033' TO 3470' (437' @ 1.9.2' HR) WOB 15-18,RPM 55-60 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 110-90-100, ON/OFF 1013-1312,DIFF 200-380 ,GEL & POLY SWEEP ,(SLIDE 3349'-3359')
7/26/2010	0:00 - 10:30	10.50	DRLPRO	02	B	P		DRILL F/ 3470' TO 4640' (1170' @ 111.4' HR) WOB 15-18 ,RPM 55-60, MMRPM 95 ,SPM 120 ,GPM 454 UP/SO/ROT 112-94-103,ON/OFF 1013-1340, DIFF 250-400, SLIDES 3727' TO 3737' ,4073' TO 4083' ,4451' TO 4461' ,WATER W/ GEL & POLY SWEEPS
	10:30 - 11:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	11:00 - 18:00	7.00	DRLPRO	02	B	P		DRILL F/ 4640' TO 5239' (599' @ 85.5' HR) WOB 15-18 ,RPM 55-60 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 134-108-117 ,ON/OFF 1074-1450 ,DIFF 230-440 ,WATER W/ GEL & POLY SWEEPS, (SLIDE 5050' TO 5060') 5' TO 8' FLARE
	18:00 - 0:00	6.00	DRLPRO	02	B	P		DRILL F/ 5239' TO 5774' (535' @ 89.1' HR) WOB 15-18 ,RPM 50-55 ,MMRPM 95, SPM 120 ,GPM 454 ,UP/SO/ROT 155-120-127, ON/OFF 1550-1280 ,DIFF 200-450 ,WATER W/ GEL & POLY SWEEPS (LOST APPROX 500 BBLS WATER F/ 4900 TO 5700)START MUD UP @ 5700'

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/12/2009	End Date: 8/1/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/27/2010	0:00 - 6:00	6.00	DRLPRO	02	B	P		DRILL F/ 5774' TO 6153' (379' @ 63.1' HR) WOB 15-18 ,RPM 50-55, MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 155-120-127 ,ON/OFF 1590-1280, DIFF 200-430 ,WT 9.1,VIS 31 (SLIDES 5802' TO 5820')
	6:00 - 13:00	7.00	DRLPRO	02	B	P		DRILL F/ 6153' TO 6468' (315' 45' HR) WOB 15-18 RPM 50-55,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 155-128-135, ON OFF 1560-1250 ,DIFF 200-450 ,VIS 32 ,WT 9.4 (SLIDES 6373' TO 6383')
	13:00 - 13:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	13:30 - 0:00	10.50	DRLPRO	02	B	P		DRILL F/ 6468' TO 7000' (532' @ 50.6' HR) WOB 18-22 ,RPM 45-50 ,MMRPM 195 ,SPM 120 ,GPM 454 ,UP/SO/ROT 168-130-138, ON/OFF 2000-1710 ,DIFF 260-420 ,WT 9.6 ,VIS 36 , (SLIDES 6750' TO 6760')
7/28/2010	0:00 - 2:30	2.50	DRLPRO	02	B	P		DRILL F/ 7000' TO 7104' (104' @ 41.6' HR) WOB 20-22 ,RPM 45-50, MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 168-130-138,ON/OFF 2000-1730 ,DIFF 230-420 WT 9.6, VIS 36
	2:30 - 3:00	0.50	DRLPRO	07	A	P		RIG REPAIR WORK ON PUMPS
	3:00 - 16:30	13.50	DRLPRO	02	B	P		DRILL F/ 7104' TO 7728' (624' @ 46.2' HR) WOB 19-22 ,RPM 45-50 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 172-143-150 ,ON/OFF 2150-1880, DIFF225-420 ,WT 10.4 ,VIS 36 (SLIDES 7130' TO 7140', 7633'TO 7643' ,7696' TO 7701' 25' @ 9' HR)
	16:30 - 17:00	0.50	DRLPRO	07	A	P		RIG SERVICE ,FUNCTION PIPE RAMS
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRILL F/ 7728' TO 7990' (262' @ 37.4' HR) WOB 20-22 ,RPM 40-50 ,MMRPM 95, SPM 120 ,GPM 454 ,UP/SO/ROT 183-135-148, ON/OFF 2385-2020 ,DIFF 280-450 ,WT 11.1, VIS 37 (SLIDE 7885' TO 7900' 15' @ 9' HR)
7/29/2010	0:00 - 12:30	12.50	DRLPRO	02	B	P		DRILL F/ 7990' TO 8452' (462' @ 36.9' HR) WOB 20-23 ,RPM 40-50 ,MMRPM 95 ,SPM 120 ,GPM 454 ,UP/SO/ROT 182-133-150 ,ON/OFF 2450-2170 ,DIFF 220-40, WT 12 ,VIS 42 ,2% LCM (SLIDE 8263' TO 8273' 10' @ 10' HR)
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SERVICE ,FUNTION ANNULAR
	13:00 - 18:00	5.00	DRLPRO	02	B	P		DRILL F/ 8452' TO 8609' (157' @ 31.4' HR) WOB 22-24 ,RPM 40-45 ,MMRPM 454 ,SPM 120 ,GPM 454 , UP/SO/ROT 184-133-153 ,ON/OFF 2770-2400 ,DIFF300-480 ,WT 12.3 ,VIS41 ,LCM 2 % ,(SLIDES 8452' TO 8457' , 8483' TO 8491' 13' TOTAL @ 6.5' HR)
	18:00 - 23:00	5.00	DRLPRO	02	B	P		DRILL F/ 8609' TO 8788' TD @ 23:00 7/29/2010 (179' @ 35.8' HR) WOB 20-22,RPM 40-50, MMRPM 95 ,SPM 120, GPM 454 ,UP/SO/ROT 185-133-154,ON/OFF 2580-2200, DIFF 300-450,WT 12.6 ,VIS 43,LCM 2% LOST 170 BBLS F/ 7990-8788 SEEPAGE (SLIDE F/ 8641' TO 8660' 19' @ 25.3' HR)
	23:00 - 0:00	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
7/30/2010	0:00 - 0:30	0.50	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	0:30 - 6:00	5.50	DRLPRO	06	E	P		SHORT TRIP L/D DIRECTIONAL TOOLS (NO PROBLEMS ON TOOH)
	6:00 - 10:30	4.50	DRLPRO	06	E	P		P/U R/R TRICONE & BIT SUB TIH, TAG @ 7108'
	10:30 - 11:30	1.00	DRLPRO	03	A	P		WASH & REAM F/ 7108' TO 7171'
	11:30 - 12:00	0.50	DRLPRO	06	E	P		FINISH TIH TO 8668'
	12:00 - 13:00	1.00	DRLPRO	03	D	P		WASH 120' TO BOTTOM 4' FILL (PRECAUTIONARY)
	13:00 - 15:00	2.00	DRLPRO	05	C	P		CIRC F/ LOGS ,MIX & PUMP PILL
	15:00 - 20:30	5.50	DRLPRO	06	A	P		TOOH F/ LOGS (NO PROBLEMS)

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/12/2009	End Date: 8/1/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	20:30 - 21:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	21:00 - 0:00	3.00	DRLPRO	11	C	P		SAFETY MEETING W/ RIG CREW & BAKER ATLAS ,R/U & RUN TRIPLE COMBO TO 8818' ,R/D LOGGERS
7/31/2010	0:00 - 2:00	2.00	DRLPRO	11	C	P		FINISH RUNNING TRIPLE COMBO LOGS (8818' LOGGERS DEPTH , R/D LOGGERS
	2:00 - 7:30	5.50	DRLPRO	06	A	P		P/U R/R TRICONE & BIT SUB TIH
	7:30 - 9:30	2.00	DRLPRO	05	C	P		CIRC F/ LDDP ,SAFETY MEETING W/ RIG CREW & KIMZEY ,R/U L/D MACHINE
	9:30 - 19:00	9.50	DRLPRO	06	A	P		LDDP ,BREAK KELLY ,L/D BHA ,PULL WEAR RING
	19:00 - 20:00	1.00	DRLPRO	12	A	P		SAFETY MEETING W/ RIG CREW & KIMZEY ,R/U CASERS
	20:00 - 0:00	4.00	DRLPRO	12	C	P		RUN 4.5,11.6,I-80 PRODUCTION CASING
8/1/2010	0:00 - 3:00	3.00	DRLPRO	12	C	P		RUN 207 JTS 4.5,11.6,I-80 BTC PRODUCTION CASING SHOE LANDED @ 8781.10,FLOAT @ 8737.43,MARKER JT @ 4306.04
	3:00 - 4:30	1.50	DRLPRO	05	D	P		CIRC F/ CEMENT ,R/D KIMZEY ,S/M W/ RIG CREW & BJ SERVICES
	4:30 - 8:00	3.50	DRLPRO	12	E	P		R/U BJ SRVICES ,PUMP 40 BBL PREFLUSH WATER ,460 SX 12.6#,1.93 YLD LEAD ,1025 SX 14.3#,1.31YLD TAIL, DISPLACE W/ 136 BBLS CLAT TREAT WATER ,PLUG DOWN @ 06:54 ,FINAL LIFT 2407 PSI,BUMP PLUG @ 3373 PSI HELD 5 MIN NO LOSS,FLOATS HELD,FULL RETURNS THROUGHOUT JOB ,1 BBL LEAD BACK TO PIT ,ESTIMATE TOP OF TAIL 3406',FLUSH STACK ,L/D LANDING JOINT
	8:00 - 12:00	4.00	DRLPRO	14	A	P		NIPPLE DOWN BOP ,CLEAN PITS RELEASE RIG @ 12:00 TO NBU 1022-32A

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 3/12/2009	End Date: 8/1/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	12:00 - 12:00	0.00	DRLPRO					CONDUCTOR CASING: Cond. Depth set: 40 Cement sx used: 28 SPUD DATE/TIME: 6/27/2010 15:00 SURFACE HOLE: Surface From depth: 40 Surface To depth: 2,260 Total SURFACE hours: 27.00 Surface Casing size: 8 5/8 # of casing joints ran: 50 Casing set MD: 2,227.5 # sx of cement: 450 Cement blend (ppg:) 15.8 Cement yield (ft3/sk): 1.15 # of bbls to surface: 0 Describe cement issues: LOST CIRC ,CMT STAYED @ SURFACE Describe hole issues: HAD SOME GAS WHILE LDDS,SPOTTED 60 BBLS @ 2255' AND 40 BBLS @ 450' ,LOST TOTAL CIRC @ 1500' PRODUCTION: Rig Move/Skid start date/time: 7/23/2010 6:00 Rig Move/Skid finish date/time: 7/23/2010 15:00 Total MOVE hours: 9.0 Prod Rig Spud date/time: 7/25/2010 1:00 Rig Release date/time: 8/1/2010 12:00 Total SPUD to RR hours: 179.0 Planned depth MD 8,774 Planned depth TVD 8,774 Actual MD: 8,788 Actual TVD: 8,786 Open Wells $: $740,307 AFE $: $981,700 Open wells $/ft: $84.24 PRODUCTION HOLE: Prod. From depth: 2,274 Prod. To depth: 8,788 Total PROD hours: 105 Log Depth: 8818 Production Casing size: 4.5,11.6,I-80 BTC # of casing joints ran: 207 Casing set MD: 8,781.1 # sx of cement: 460 LEAD , 1025 TAIL Cement blend (ppg:) 12.6 LEAD 14.3 TAIL Cement yield (ft3/sk): 1.93 LEAD 1.31 TAIL Est. TOC (Lead & Tail) or 2 Stage : 18' LEAD ,3406 TAIL Describe cement issues: 1 BBL LEAD BACK TO PIT Describe hole issues: NO PROBLEMS DIRECTIONAL INFO: KOP: Max angle: Departure: Max dogleg MD:

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT		Rig Name No: GWS 1/1, MILES-GRAY 1/1
Event: COMPLETION	Start Date: 8/6/2010		End Date: 8/13/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/9/2010	15:00 - 18:00	3.00	COMP	37	B	P		R/U B C OUICK TEST, PRESSURE TEST CSG AND FRAC VALVE TO 7000#, OK, MIRU CUTTER WIRELINE, RIH W/ PERF GUNS, PERF MESAVERDE STAGE #1 @ 8644' - 8647', 8461' - 8463', 8426' - 8428', 3-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36HOLE, 90* PHS, 21 HOLES, SWI,

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT		Rig Name No: GWS 1/1, MILES-GRAY 1/1
Event: COMPLETION	Start Date: 8/6/2010		End Date: 8/13/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

8/10/2010	6:00 - 21:00	15.00	COMP	48		P		JSA-SAFETY MEETING W/ HALLIBURTON AND CUTTER WIRELINE, R/U HALLIBURTON AND PRESSURE TEST SURFACE LINE TO 8000#, OK, (WAIT FOR SCALE INHIB,)
								(STG #1) WHP = #, START @ 9:45 AM
								BRK DN PERF @ 3696 # @ 5 B/M, INJ-RT 51 B/M, INJ-P = 5405 #, ISIP = 2794 #, F.G. = 0.77 , PUMP 250 GAL 15% HCL AHEAD OF INJ, CALC ALL PERF OPEN, PUMP 1105 BBLS SLK WTR & 38733 # SAND, ISIP = 2700 #, F.G.= 0.76 , NPI = -94 #, MP = 6065 #, MR = 52.9 B/M, AP = 4895 #, AR = 51.3 B/M, 33733 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = OK
								
								(STG #2) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 8383 ', PERF THE MESAVERDE @ 8351' - 8353', 3-SPF, 8272' - 8274', 3-SPF, 8186' - 8189', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 24 HOLES, WHP = 837 #,
								BRK DN PERF @ 3204 # @ 5 B/M, INJ-RT 51.7 B/M, INJ-P = 4980 #, ISIP = 2645 #, F.G. = 0.76 , CALC ALL PERF OPEN, PUMP 1616 BBLS SLK WTR & 65158 # SAND, ISIP = 2533 #, F.G.= 0.75 , NPI = -112 #, MP = 6234 #, MR = 53.4 B/M, AP = 4793 #, AR = 50.6 B/M, 60158 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS =OK
								
								(STG #3) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 8162 ', PERF THE MESAVERDE @ 8130' - 8132', 8062' - 8064', 8022' - 8024', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 24 HOLES, WHP = 853 #,
								BRK DN PERF @ 3109 # @ 5.6 B/M, INJ-RT= 50.6 B/M, INJ-P = 5686 #, ISIP = 2547 #, F.G. = 0.75 , CALC ALL PERF OPEN, PUMP 1368 BBLS SLK WTR & 55105 # SAND, ISIP = 2210 #, F.G.= 0.71 , NPI = -337 #, MP = 6060 #, MR = 53.1 B/M, AP = 4728 #, AR = 48.1 B/M, 50105 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = OK
								
								(STG #4) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 7947 ', PERF THE MESAVERDE @ 7845' - 7847', 7784' - 7786', 7727' - 7729', 7637' - 7639', 3-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 24 HOLES, WHP = 399 #,
								BRK DN PERF @ 3415 # @ 5.9 B/M, INJ-RT= 49.7 B/M, INJ-P = 5119 #, ISIP = 2386 #, F.G. = 0.75 , CALC ALL PERF OPEN, PUMP 1135 BBLS SLK WTR & 42927 # SAND, ISIP = 2220 #, F.G.= 0.73 , NPI = -166 #, MP = 6232 #, MR =50.2 B/M, AP = 5378 #, AR = 48 B/M, 37927# 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = COMPUTOR TROUBLE
								
								(STG #5) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 7574 ', PERF THE MESAVERDE @ 7471' - 7474', 3-SPF, 7432' - 7434', 4-SPF, 7376' - 7378 ', 3-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 23

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010 Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: GWS 1/1, MILES-GRAY 1/1
Event: COMPLETION	Start Date: 8/6/2010	End Date: 8/13/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation

								HOLES, WHP = 465 #,
								BRK DN PERF @ 2818 # @ 5.7 B/M, INJ-RT = 50.3 B/M, INJ-P = 5587 #, ISIP = 1635 #, F.G. = 0.66 ,
								CALC ALL PERF OPEN, PUMP 855 BBLS SLK WTR & 31340 # SAND, ISIP = 2440 #, F.G.= 0.76 ,
								NPI = 805 #, MP = 6037 #, MR = 50.5 B/M, AP = 4443 #, AR = 48.8 B/M, 26340 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = SLOW SRART
								
								(STG #6) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 7326 ', PERF THE MESAVERDE @ 7254' - 7256', 4-SPF, 7162' - 7164', 3-SPF, 7106' - 7107', 4-SPF, 7050' - 7052', 3-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 24 HOLES, WHP = 477 #,
								BRK DN PERF @ 2882 # @ 4.7 B/M, INJ-RT = 50 B/M, INJ-P = 6111 #, ISIP = 2290 #, F.G. = 0.75 ,
								CALC ALL PERF OPEN, PUMP 785 BBLS SLK WTR & 28840 # SAND, ISIP = 2475 #, F.G.= 0.78 ,
								NPI = 185 #, MP = 6105 #, MR = 50.3 B/M, AP = 5494 #, AR = 49.2 B/M, 23840 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = OK, DENINOMETER OFF
								
								(STG #7) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 6910 ', PERF THE MESAVERDE @ 6804' - 6810 ', 4-SPF, USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 24 HOLES, WHP = 150 #,
								BRK DN PERF @ 2217 # @ 4.6 B/M, INJ-RT = 50.1 B/M, INJ-P = 4570 #, ISIP = 1444 #, F.G. = 0.64 ,
								CALC 70% PERF OPEN, PUMP 1020 BBLS SLK WTR & 40492 # SAND, ISIP = 2430 #, F.G.= 0.79 ,
								NPI = 986 #, MP = 4975 #, MR = 50.1 B/M, AP = 4032 #, AR = 48.9 B/M, 35492 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = OK
								
								(STG #8) RIH W/ HALLIBURTON 8K CBP AND PER GUN, SET CBP @ 6344 ', PERF THE WASATCH @ 6241' - 6244', 6082' - 6085', 4-SPF , USING 3 3/8" SCALLOP GUNS, 23gm, 0.36 HOLE 90* PHS, 24 HOLES, WHP = 93 #,
								BRK DN PERF @ 2238 # @ 4.7 B/M, INJ-RT = 50.2 B/M, INJ-P = 4485 #, ISIP = 1794 #, F.G. = 0.72 ,
								CALC 85% PERF OPEN, PUMP 536 BBLS SLK WTR & 24755 # SAND, ISIP = 1784 #, F.G.= 0.72 ,
								NPI = -10 #, MP = 4716 #, MR = 50.2 B/M, AP = 3740 #, AR = 48.4 B/M, 19755 # 30/50 SAND, 5000 # SLC SAND,
								COMMENTS = OK
								
								(KILL PLUG) RIH W/ HALLIBURTON 8K CBP, SET CBP @ 6032', R/D WIRELINE AND FRAC CREW, SWI SD.
								
								TOTAL FLUID = 8420 BBLS SLK WTR
								TOTAL SAND = 327350# OTTAWA SAND

8/12/2010	7:00 - 11:00	4.00	COMP	30	A	P		ROAD RIG AND EQUIP FROM NBU 14 B PAD TO LOC MIRU, N/D FRAC VALVE, N/U BOPS, R/U TBG EQUIP.

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: GWS 1/1, MILES-GRAY 1/1
Event: COMPLETION	Start Date: 8/6/2010	End Date: 8/13/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:00 - 16:00	5.00	COMP	31	I	P		TALLY TBG ON TRAILER, P/U 3 7/8" BIT AND POBS, TIH W/ 2 3/8" J-55 TBG, TAG AT 6035', R/U POWER SWIVEL AND PUMP, PREPARE TO DRILL OUT IN AM, SWI, SDFN,
8/13/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING
	7:15 - 17:00	9.75	COMP	44	C	P		NO P[RESSURE ON WELL, ESTB CIRC DOWN TBG OUT CSG, C/O SAND FROM 5990' TO 6032'. (PLUG #1) 6332', DRILL OUT HALLIBURTON 8K CBP IN 5 MIN, 100# DIFF, RIH TAG SAND @ 6324', C/O 20' SAND, FCP = 50#, (PLUG #2) 6344', DRILL OUT HALLIBURTON 8K CBP IN 4 MIN, 200# DIFF, RIH TAG SAND @ 6850', C/O 60' SAND, FCP = 100#, (PLUG #3) 6910', DRILL OUT HALLIBURTON 8K CBP IN 4 MIN, 200# DIFF, RIH TAG SAND @ 7276', C/0 50, SAND, FCP = 125#, (PLUG #4) 7326', DRILL OUT HALLIBURTON 8K CBP IN 6 MIN, 200# DIFF, RIH TAG SAND @ 7534 ', C/0 50' SAND, FCP = 300 #, (PLUG #5) 7574', DRILL OUT HALLIBURTON 8K CBP IN 6 MIN, 500 # DIFF, RIH TAG SAND @ 7887', C/0 60 ' SAND, FCP = 500 #, (PLUG #6) 7947', DRILL OUT HALLIBURTON 8K CBP IN 7 MIN, 500# DIFF, RIH TAG SAND @ 8132 ', C/O 30' SAND, FCP = 700 #, (PLUG #7) 8162', DRILL OUT HALLIBURTON 8K CBP IN 7 MIN, 300 # DIFF, RIH TAG SAND @ 8353 ', C/O 30' SAND, FCP = 850 #, (PLUG #8) 8383', DRILL OUT HALLIBURTON 8K CBP IN 8 MIN, 200# DIFF, RIH TAG SAND @ 8655', C/O 80' SAND TO 8735 ' PBTD, FCP = 1000#, CIRC WELL CLEAN, P/O LAYED DN 19 JTS ON TRAILER, LAND TBG W/ WEATHERFORD HANGER, EOT @ 8142.02', N/D BOPS, DROP BALL DN TBG, N/U WELL HEAD, PUMP OFF BIT SUB @ 1800#, WAIT 30 MIN FOR BIT TO FALL, OPEN WELL TO FBT W/ 800# FTP, 2400# SICP, TURN WELL OVER TO FLOW BACK CREW, W/ 7230 BBLS WTR LTR, KB = 18.00' HANGER = .83' 257 JTS 2 3/8" J-55 TBG = 8120.99' XN-NIPPLE, POBS = 2.20' EOT = 8142.02' 284 JTS 2 3/8" J-55 TBG DELV. 257 JTS 2 3/8" J-55 TBG LANDED 27 JTS 2 3/8" J-55 TBG RETURNED
8/14/2010	7:00 -		PROD	33	A			7 AM FLBK REPORT: CP 3050#, TP 2250#, 20/64" CK, 32 BWPH, HVY SAND, - GAS TTL BBLS RECOVERED: 1606 BBLS LEFT TO RECOVER: 6536
	13:25 -		PROD	50				WELL TURNED TO SALES @ 13:25 HR ON 8/14/10 - 887 MCFD, 960 BWPD, CP 3150#, FTP 2300#, CK 20/64"

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT		Rig Name No: GWS 1/1, MILES-GRAY 1/1
Event: COMPLETION	Start Date: 8/6/2010		End Date: 8/13/2010
Active Datum: RKB @5,080.01ft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
8/15/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 3000#, TP 2150#, 20/64" CK, 23 BWPH, HVY SAND, 3.1 GAS TTL BBLS RECOVERED: 2281 BBLS LEFT TO RECOVER: 5861
8/16/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2850#, TP 2025#, 20/64" CK, 22 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 2781 BBLS LEFT TO RECOVER: 5361
8/17/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2675#, TP 1900#, 20/64" CK, 15 BWPH, MED SAND, 3 GAS TTL BBLS RECOVERED: 3242 BBLS LEFT TO RECOVER: 4900
8/18/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2600#, TP 1850#, 20/64" CK, 14 BWPH, LIGHT SAND, 2.9 GAS TTL BBLS RECOVERED: 3599 BBLS LEFT TO RECOVER: 4543

Federal Approval of this Action is Necessary

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
NATURAL BUTTES

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
NBU 1022-04GT

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047401910000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6515 Ext

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ **NOTICE OF INTENT** Approximate date work will start: 7/5/2011	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ **SUBSEQUENT REPORT** Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ **SPUD REPORT** Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ **DRILLING REPORT** Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Wellhead Repair

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests approval to conduct wellhead/casing repair operations on the subject well location. Please find the attached procedure for the proposed repair work on the subject well location.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 07/11/2011

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Gina Becker	720 929-6086	Regulatory Analyst II
SIGNATURE N/A		**DATE** 7/5/2011

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WORKORDER #: 88119336

Name: NBU 1022-4GT 7/1/2011
Surface Location: SWNE Sec. 4, T10S, R22E
Uintah County, UT

API: 4304740191 **LEASE#:** UTU-01191

ELEVATIONS: 5069' GL 5087' KB

TOTAL DEPTH: 8788' **PBTD:** 8735'

SURFACE CASING: 8 5/8", 28# J-55 @ 2241'

PRODUCTION CASING: 4 1/2", 11.6#, I-80 @ 8781'
TOC @ 500' per CBL (with min 50' isolation)

PERFORATIONS: Wasatch 6082' – 6244'
Mesaverde 6804' – 8647'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
8.625" 28# J-55	8.097	1370	2950	2.6223	0.3505	0.0624
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

1136' Green River
1456' Bird's Nest
1954' Mahogany
4368' Wasatch
6826' Mesaverde

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NBU 1022-4GT– WELLHEAD REPAIR PROCEDURE

PREP-WORK PRIOR TO MIRU:

1. Dig out down to the 2" surface casing valve or to the valve on the riser off the surface casing.
2. Install a tee with 2 valves, with a pressure gauge and sensor on one valve.
3. Open casing valve and record pressures.
4. Install nipple and steel hose on the other valve, the relief valve,. Do not use hammer unions. No impact equipment or tools to be used for any of this installation. Extend hose and hard piping to a downwind location at least 100' from the wellhead. Consider installing a manifold so that vent area could be in two locations approx. 90 degrees apart from the wellhead.
5. Open the relief valve and blow well down to the atmosphere.
6. Make a determination of amount of gas flow, either by installation of a choke nipple, bucket test or other.
7. Shut well in. Observe for rate of build-up by utilizing sensor data. Do not build-up for more than 24 hours. Vent gas through the vent line and leave open to the atmosphere.

WORKOVER PROCEDURE:

1. MIRU workover rig.
2. Kill well with 10# brine / KCL (dictated by well pressure).
3. Remove tree, install double BOP with blind and 2 3/8" pipe rams, with accumulator closing unit and manual back-ups. Function test BOP system.
4. POOH w/ tubing laying down extra tubing.
5. Rig up wireline service. RIH and set CBP @ ~6032'. Dump bail 4 sx cement on top of plug. POOH and RD wireline service. TIH w/ tubing and seating nipple. Land tubing ±60' above cement. RDMO.
6. Monitor well pressures. If surface casing is dead. MIRU. ND WH and NU BOP. POOH w/ tubing.
7. Depending on conditions at wellsite, continue with either CUT/PATCH Procedure or BACK-OFF Procedure.

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CUT/PATCH PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 30' from surface.

2. POOH, LD cutters and casing.

3. PU 7 3/8" overshot with 4 ½" right hand standard wicker grapple, 1 - 4 ¾" drill collar with 3 ½" IF threads, pup joint, manual bumper sub, and crossovers. If casing cut is deeper than ±30' utilize >7000 ft-lb torque pipe as needed. Pull a minimum of 10,000# to keep grapple engaged if cement top is high (<~900'). If cement top is low (>~900'), more weight will be required to put casing in neutral. Torque casing string to ±7000 ft-lbs, count number of turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out, release overshot, POOH, and lay down.

4. TIH w/ skirted mill and dress off the fish top for approximately ½ hour. TOOH.

5. PU & RIH w/ 4 ½" 10k external casing patch on 4 ½" P-110 casing. Ensure that sliding sleeve assembly shifts ±3' and casing tags no-go portion of patch. NOTE: Shear pins will shear at 3500 to 4500 lbs.

6. Latch fish, PU to 100,000# tension. RU B&C. Cycle pressure test to 3500 psi.

7. Install slips. Land casing w/ 80,000# tension.

8. Cut-off and dress 4 ½" casing stub.

9. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~5982'. Clean out to PBTD (8735').

10. POOH, land tbg and pump off POBS.

11. NUWH, RDMO. Turn well over to production ops.

BACK-OFF PROCEDURE:

1. PU internal casing cutters and RIH. Cut casing at +/- 6' from surface.

2. POOH, LD cutters and casing.

3. PU 4 ½" overshot. RIH, latch fish. Pick string weight to neutral.

4. MIRU casing crew and wireline services. RIH and shoot string shot at casing collar @ ± 46'.

5. Back-off casing, POOH.

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6. PU new casing joint with buttress threads and entry guide and RIH. Tag casing top. Thread into casing and torque up to ±7000 ft-lbs, count number of additional turns to make-up, and document in the daily report. Ensure that tongs are safely anchored to rig and that all personnel are at a safe working distance from the tongs during torque-up and torque release. After initial make-up, place pipe torque to neutral and mark pipe. Place ±7000 ft-lbs on casing a second time, count turns, then return pipe torque to neutral and count turns. Repeat if torque-up turns do not equal torque release turns. Once torque-in equals torque-out go to step 7.

7. PU 100,000# tension string weight. RU B&C. Cycle pressure test to 3500 psi.

8. Install slips. Land casing w/ 80,000# tension.

9. Cut-off and dress 4 ½" casing stub.

10. NUWH. PU 3 7/8" bit, POBS and RIH. D/O cement and plug ~5982'. Clean out to PBTD (8735').

11. POOH, land tbg and pump off POBS.

12. NUWH, RDMO. Turn well over to production ops.

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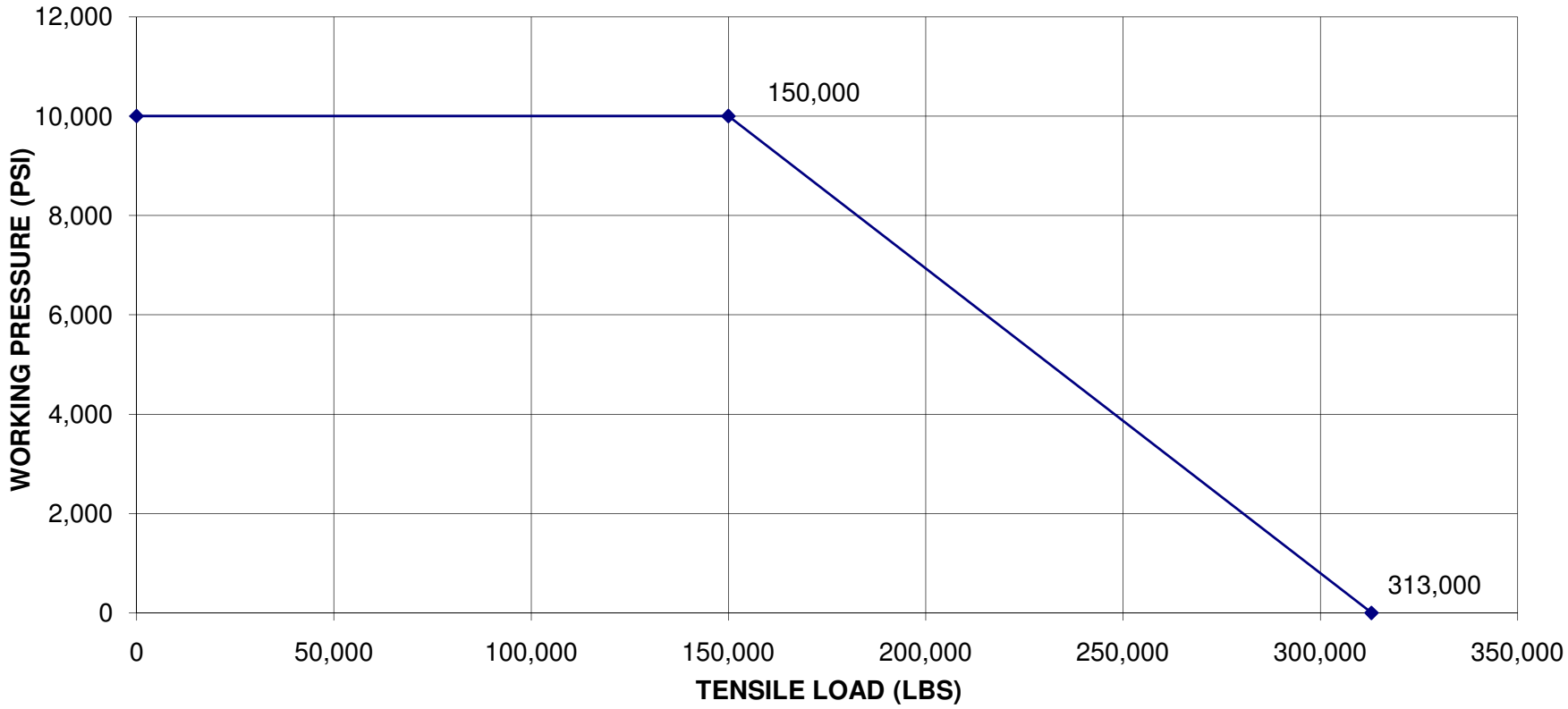
STRENGTH DATA FOR LOGAN 5.88" OD "L" TYPE CSG PATCH
4-1/2 CASING, 10K PSI MAX WP 125K YIELD MAT'L
LOGAN ASSEMBLY NO. 510L-005 -000



COLLAPSE PRESSURE:
11,222 PSI @ 0 TENSILE
8,634 PSI @ 220K TENSILE

Tensile Strength @ Yield:
Tensile Strength w/ 0 Int. Press.= 472,791lbs.
Tensile Strength w/ 10K Int. Press.= 313,748lbs.

DATA BY SLS 11/16/2009

Logan High Pressure Casing Patches
Assembly Procedure

All parts should be thoroughly greased before being assembled.

1. Install all four Logan Type “L” Packers in the spaces provided in the Casing Patch Bowl. Refer to diagram provided for proper installation.

2. Install Packer Protector from the Basket Grapple end of the Bowl. The beveled end of the Packer Protector goes in first. Carefully push the Packer Protector through the four Type “L” Packers.

3. Align Shear Pin Holes in Packer Protector so that the holes have just passed into the counter bore at the Top Sub end, refer to diagram. The Packer Protector is provided with four Shear Pin Holes. Use only two holes, 180 degrees apart and install the pins.

4. Screw the Basket Grapple in from the lower end of the Bowl, using left-hand rotation. The Tang Slot in the Basket Grapple must land in line with the slot in the Bowl.

5. Insert the Basket Grapple Control into the end of the Bowl. Align Tang on the Basket Grapple Control with the Tang Slot of the Bowl and Basket Grapple. This secures the Bowl and the Basket Grapple together.

6. Install the Cutlipped Guide into the lower end of the Bowl.

7. Install O-Rings on the two five-foot long Extensions. Screw the first Extension into the top end of the Bowl. Screw the second Extension into the top end of the first Extension.

8. Install O-Ring on Top Sub. Screw Top Sub into top end of second Extension.

Follow recommended Make-Up Torque as provided in chart.

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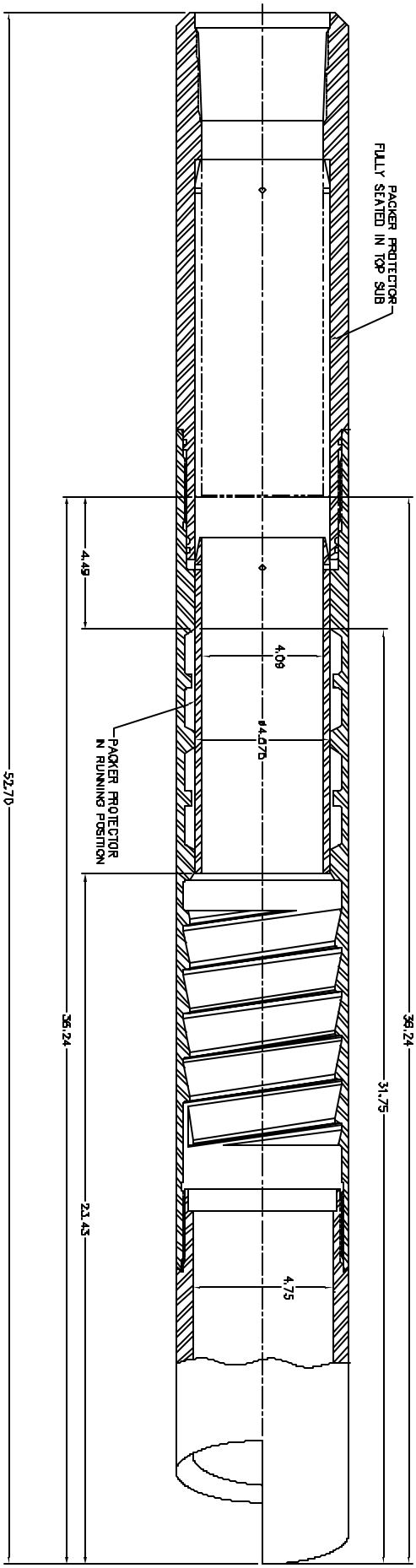

510L-005-001 4-1/2" LOGAN HP CASING PATCH

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☑ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 9/6/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded the wellhead/casing repairs on the subject well location. Please see the attached chronological history for the details of the operations.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
January 27, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jaime Scharnowske	720 929-6304	Regulartory Analyst
SIGNATURE N/A		**DATE** 1/24/2012

RECEIVED: Jan. 24, 2012

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE	Start Date: 9/1/2011	End Date: 9/6/2011
Active Datum: RKB @5,080.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/1/2011	7:00 - 7:30	0.50	ALL	30	G	P		ROAD RIG F/ NBU 1022-8GT TO NBU 1022-4GT.
	7:30 - 8:00	0.50	ALL	48		P		HSM, REVIEW TRIPPING TBG, WIRELINE SAFETY.
	8:00 - 9:00	1.00	ALL	30	A	P		MIRU.
	9:00 - 9:45	0.75	ALL	47	A	P		FCP. 131 PSI. FTP. 131 PSI. BLEW TBG DWN, CONTROL TBG W/ 10 BBLS, ND WH, NU BOP'S, RU FLOOR & TBG EQUIPMENT, UNLAND TBG,
	9:45 - 12:15	2.50	ALL	31	I	P		POOH 257 JTS. 2-3/8 J-55 TBG, LD XN.
	12:15 - 15:00	2.75	ALL	34	I	P		RU J-W WIRELINE COMPANY, RIH 4-1/2 BAKER 10K CIBP, SET CIBP @ 6020', POOH TOOLS, RD J-W WIRELINE COMPANY, FILL 4-1/2 CSG W/ T-MAC, P.T. PLUG TO 3000 PSI. SWI, SDFN.
9/2/2011	7:00 - 7:30	0.50	ALL	48		P		HSM, REVIEW BACK-OFF PROCEDURE
	7:30 - 8:00	0.50	ALL	47	A	P		ND BOP'S, ND CSG BOWL, RU PWR SWVL.
	8:00 - 9:30	1.50	ALL	31	B	P		PU INTERNAL CSG CUTTER & RIH, CUT CSG @ 3' F/ SURFACE, POOH, LD CUTTER & CSG MANDRAL, RD PWR SWVL, PU 4-1/2 OVERSHOT, RIH, LATCH FISH, MIRU CSG CREW & WIRELINE SERVICES, RIH & STRING SHOT CSG COLLAR, BACK-OFF CSG PUP JNT, POOH, PU NEW 10' PUP JNT, TAG CSG TOP, THREAD INTO CSG & TORQUE 4-1.2 CSG TO 7000# W/ 19 ROTATIONS, PU CSG TO 100,000# TENSION.
	9:30 - 10:30	1.00	ALL	33	C	P		RU B&C QUICK TEST, P.T. 4-1/2 CSG TO 1000 PSI. LOST 6 PSI. IN 15 MINS, P.T. 4-1/2 CSG TO 3500 PSI. LOST 25 PSI. IN 30 MINS, RD B&C QUICK TEST.
	10:30 - 12:00	1.50	ALL	47	C	P		RU WEATHERFORD WELL HEAD, SET C-21 SLIPS, LAND 4-1/2 CSG W/ 85,000# TENSION, CUT-OFF 4-1/2 CSG & DRESS CSG STUB, INSTALL FLANGE & CROSSOVER SPOOL, TORQUE ALL 1-7/8 BOLTS TO SPECIFICATION, RD WEATHERFORD WELL HEAD,
	12:00 - 12:30	0.50	ALL	47	A	P		NU CSG BOWL, NU BOP'S, RU FLOOR & TBG EQUIPMENT.
	12:30 - 15:00	2.50	ALL	31	I	P		PU 3-7/8 MILL & RIH W/ 191 JTS. 2-3/8 J-55 TBG, TAG CIBP @ 6020', LD 1 JNT. NU PWR SWVL, EOT @ 5889' W/ 190 IN WELL, SWI, SDFWE.
9/6/2011	6:30 - 7:00	0.50	ALL	48		P		HSM, JSA FOAM UNIT

RECEIVED: Jan. 24, 2012

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010	
Project: UTAH-UINTAH	Site: NBU 1022-4GT		Rig Name No: LEED 698/698
Event: WELL WORK EXPENSE	Start Date: 9/1/2011		End Date: 9/6/2011
Active Datum: RKB @5,080.00ft (above Mean Sea Leve	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 17:00	10.00	ALL	44	D	P		RU TECH FOAM, EST CIRC IN 15 MINS, D/O CIBP @ 6020' IN 40 MINS, RD PWR SWVL, RIH TAG @ 8720' W/ 259 JTS TBG, RU PWR SWVL, EST CIRC IN 5 MINS, D/O 20' OF SCALE IN 32 MINS, RD PWR SWVL, RIH TAG @ 8720' CIRC CLEAN FOR 30 MINS, RD FOAM UNIT, POOH LD 19 JTS. ON TRAILER, LD STRING FLOAT,POOH TBG & LD MILL, PU 1.875 XN HALF POBS & TIH W/ 139 JTS. RU SWAB EQUIPMENT,RUN BROACH, RIH W/128 JTS., RUN BROACH AGAIN, LAND TBG, W/ 257 JTS, ND BOP'S, NU WH, RDMO. MOVE TO BITTER CREEK 11-22-4I. TBG DETAIL KB----------18' HANGER----------.83" 257 JTS. 2-3/8 J-55 TBG----------8120.99' 1.875 XN HALF POBS----------2.20' EOT @----------8142.02' TOP PERF @ 6082' BTM PERF @ 8647' PBTD @ 8735'

Sundry Number: 48590 API Well Number: 43047401910000

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
NATURAL BUTTES

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
NBU 1022-04GT

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047401910000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6100

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 3/7/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator requests authorization to Temporarily Abandon or Shut-In the subject well to accommodate recompletion drilling operations for the referenced well location. Please see the attached procedure. This is a courtesy copy for the referenced Federal Well with lease #UTU01191. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: March 11, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matthew P Wold	720 929-6993	Regulatory Analyst I
SIGNATURE		**DATE**
N/A		3/7/2014

RECEIVED: Mar. 07, 2014

Well Name: NBU 1022-4GT 2/26/14
Surface Location: SWNE Sec. 4, T10S, R22E
Uintah County, UT

Recommended action for disposition of well bore:

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Kill well, pull EOT to above top set of perfs, install tubing hanger with internal threads and set VR plug, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304740191 **LEASE#:** U-01191

ELEVATIONS: 5062' GL 5080' KB
Note: GL depth according to CBL is 5069' & 5087'

TOTAL DEPTH: 8781' **PBTD:** 8736'

SURFACE CASING: 9 5/8", 36# J-55 @ 2242'

PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8781'
Estimated TOC @ Surface per CBL

PRODUCTION TUBING: 2 3/8" J-55 TBG @ 8142' (workover rpt 11/6/07)

PERFORATIONS: WASATCH 6082' – 8244'
MESAVERDE 6804' – 8647'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:
4368' Wasatch
6826' Mesaverde

RECEIVED: Mar. 07, 2014

NBU 1022-4GT TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE. PULL TUBING.

2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE**.

3. RUN GYRO SURVEY.

4. **PLUG #1, ISOLATE MV/WASATCH PERFORATIONS (6082' – 8647'):** RIH W/ 4 ½" CBP. SET @ ~6030'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 9.2 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~5930'). REVERSE CIRCULATE W/ TREATED FRESH WATER.

5. **PLUG #2, PROTECT TOP OF WASATCH (4368'):** PUH TO ~4475'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4265' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.

6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.

7. RDMO. TURN OVER TO DRILLING OPERATIONS.

HMP 2/26/14

RECEIVED: Mar. 07, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: NBU 1022-04GT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401910000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779 **PHONE NUMBER:** 720 929-6100

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 6/19/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The operator has concluded the temporary abandonment operations on the subject well location on 6/19/2014. This well was plugged in order to expand and drill the NBU 1022-4G Pad wells. Please see the attached chronological well history for details. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
July 16, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matthew P Wold	720 929-6993	Regulatory Analyst I
SIGNATURE N/A		**DATE** 6/24/2014

RECEIVED: Jun. 24, 2014

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud Date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4GT	Rig Name No: GWS 1/1
Event: ABANDONMENT	Start Date: 6/17/2014	End Date: 6/19/2014
Active Datum: RKB @5,080.00usft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/17/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. ROAD RIG.
	7:00 - 11:30	4.50	ABANDT	30	G	P		ROAD RIG F/ BON 1023-17G MEGA PAD. SPOT RIG EQUIP.
	11:30 - 15:00	3.50	ABANDT	35	E	P		MIRU MULTI SHOT SL. RUN GYRO F/ SURFACE T/ 8630'. STOP EVERY 100' IN & STOP EVERY 1000' OUT OF THE HOLE. RDMO MULTI SHOT. SDFN COULD NOT RU RIG (TOO WINDY)
	7:00 - 10:00	3.00	ABANDT	35		P		Travel to location. Cut 200ft of line and rety rope socket. Rig up. Rih jar up on spring for 10mins @ 8123. pooh. Rig down. Ready for workover rig. Thank you.
6/18/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. PIINCH POINTS.
	7:00 - 8:30	1.50	ABANDT	30	A	P		RU RIG. WELL PSI 100 PSI. BLOW WELL DOWN T/ FBT. ND WH. NU BOP. RU RIG FLOOR & TBG EQUIP.
	8:30 - 12:30	4.00	ABANDT	45	A	P		MIRU SCAN TECH. POOH SCAN 257 JTS 23/8 J-55. FOUND = 180 YB JTS 32 BB JTS 45 RB JTS. HEAVY INTERNAL PITTING F/ 2468' T/ 4399'. RDMO SCAN TECH.
	12:30 - 13:30	1.00	ABANDT	34	I	P		MIRU CUTTERS WL. PU 41/2 8K HAL CBP. RIH SET CBP @ 6020'. POOH. RDMO CUTTERS WL.
	13:30 - 16:00	2.50	ABANDT	31	I	P		PU 23/8 NOTCH COLLAR. RIH W/ 190 23/8 J-55 JTS. TAG PLUG @ 6020'. PUH 10'. FILL HOLE W/ 70 BBLS T-MAC. PSI TEST CSG 500 PSI. GOOD TEST. BLEED OFF PSI. SWIFN.
6/19/2014	6:45 - 7:00	0.25	ABANDT	48		P		HSM. PINCH POINT.
	7:00 - 8:15	1.25	ABANDT	51	D	P		OPEN WELL 0 PSI. MIRU PRO PETRO CMT CREW. PUMP 8 SX = 100' CLASS G CMT ON TOP OF CBP @ 6020'. TOC @ 5920'. POOH, LD 4 JTS. REV CMT T/ PIT W/ 25 BBLS T-MAC.
	8:15 - 9:00	0.75	ABANDT	31	I	P		CONT POOH, LD 45 JTS. EOT @ 4466'. HOOK UP CMT CREW.
	9:00 - 9:45	0.75	ABANDT	51	D	P		PUMP 16 SX CMT. 210' BALANCE PLUG F/ 4466' T/ 4256'. POOH W/ 9 JTS. REV CMT T/ PIT W/ 20 BBLS T-MAC. RDMO PRO PETRO CMT CREW.
	9:45 - 12:00	2.25	ABANDT	31	I	P		CONT POOH LD 132 JT & NC. ND BOP. ND CSG HEAD. INSTALL NIGHT CAP. RD RIG. RACK OUT RIG EQUIP. ROAD RIG T/ NBU 1022-4H-3. GPS = ELEV 5068' 39.98012* -109.44225*

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-01191

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:
NATURAL BUTTES

1. TYPE OF WELL
Gas Well

8. WELL NAME and NUMBER:
NBU 1022-04GT

2. NAME OF OPERATOR:
KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER:
43047401910000

3. ADDRESS OF OPERATOR:
P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER:
720 929-6100

9. FIELD and POOL or WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1863 FNL 1882 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWNE Section: 04 Township: 10.0S Range: 22.0E Meridian: S

COUNTY:
UINTAH

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 6/30/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☑ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The NBU 1022-04GT well was returned to production on 6/30/2015 following a temporary abandonment. Please see the attached operations summary report for details. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
July 07, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jennifer Thomas	720 929-6808	Regulatory Specialist
SIGNATURE		**DATE**
N/A		7/6/2015

RECEIVED: Jul. 06, 2015

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4GT	Spud Conductor: 6/16/2010	Spud date: 6/27/2010
Project: UTAH-UINTAH	Site: NBU 1022-4G PAD	Rig name no.: ROCKY MOUNTAIN WELL SERVICE 1/1
Event: ABANDONMENT	Start date: 5/27/2015	End date: 6/25/2015
Active datum: RKB @5,080.00usft (above Mean Sea Level)	UWI: SW/NE/0/10/S/22/E/4/0/0/6/PM/N/1,863.00/E/0/1,882.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
5/20/2015	7:00 -							REBUILD PROD FACILITIES TO RETURN WELL TO PRODUCTION
6/23/2015	7:00 - 7:15	0.25	ABANDT	48		P		HSM, CIRCULATING WELL
	7:15 - 10:00	2.75	ABANDT	30	A	P		RESPOT CEMENT BLOCKS. MIIRU, N/D WELL HEAD, N/U BOPS, R/U TBG EQUIP,
	10:00 - 17:30	7.50	ABANDT	31	I	P		P/U 3-7/8 MILL W/ POBS PKG, TALLEY AND P/U 2-3/8 P-110 TBG, TAG CEMENT @=4,300#, P/U POWER SWIVEL. PRESSURE TEST BOPS TO 3,000#, BREAK CIRC W/ RIG PUMP.C/O CEMENT FROM 4,300 TO 4,474' CIRC HOLE CLEAN SWIFN.
6/24/2015	7:00 - 7:15	0.25	ABANDT	48		P		HSM, DRILLING OUT CEMENT
	7:15 - 13:30	6.25	ABANDT	44	A	P		SICP=0#, SITP=0#, OPEN WELL, HANG POWER SWIVEL BACK, CONTINUE TO RIH W/ TBG. TAG CEMENT @=5,915' P/U POWER SWIVEL, BREAK CIRC W/ RIG PUMP. C/O CEMENT TO CBP @=6,020'.
	13:30 - 17:00	3.50	ABANDT					MIRU WEATHERFORD NITROGEN UNIT, UNLOAD WELL, DRILL THROUGH HALIBURTON CBP @=6,020'. CONTINUE TO RIH TAG @=8,226, EST CIRC W/ NITROGEN, C/O TO 8,729' CIRC HOLE FOR 30 MIN, CONTROL TBG W/ 10 BBLS, R/D POWER SWIVEL. L/D 19 JNTS, POOH W/ 33 STANDS EOT @=6,025'. SWIFN.
6/25/2015	7:00 - 7:15	0.25	ABANDT	48		P		HSM, KILLING WELL
	7:15 - 12:00	4.75	ABANDT	31	I	P		SICP=100#, SITP=0#, BLOW WELL DOWN, CONTROL W/ 40 BBLS, POOH W/ TBG AND BHA, L/D POBS PKG, P/U PROFILE NOTCHED COLLAR [1.8 ID] RIH W/ 256 JNTS 2-3/8 P-110 TBG, AND LAND W/ EOT @=8,120.83'. R/D TBG EQUIP, N/D BOPS, N/U WELL HEAD. SHUT WELL IN TO LET BUILD PRESSURE. RDMO KB 18.00 HANGER .83 256 JNTS 2-3/8 P-110 TBG 8,099.80 SEAT NIPPLE 1.50 EOT @= 8,120.13